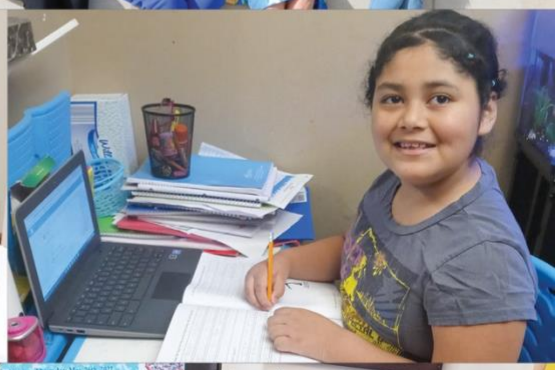
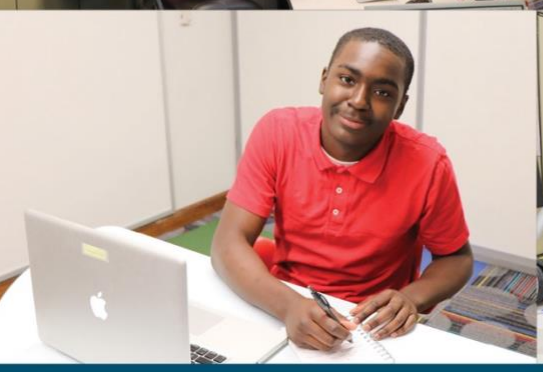
BRANDYWINE VIRTUAL ACADEMY

2023-2024 SCHOOL YEAR





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VENDORS

BVA sources curriculum from several vendors to provide the largest catalog possible and the most individualized course content for each learner. Please visit us at www.cciu.org/bva for more information. Course selection may vary due to vendor availability and is subject to change based on enrollment.

OUR VENDORS

StrongMind Elementary Courses – The StrongMind virtual solution blends personalized self-paced learning, teacher-directed synchronous and asynchronous learning, small group collaboration, and authentic project-based learning (PBL). Our 100% online curriculum immerses K-12 students with interactive, scaffolded, and relevant digital content. Our solution can be turn-key or tailored to your local needs.

Odysseyware (ODY) - Courses are prescriptive, with clear and linear paths to completion that students find helpful and easy to navigate. ODY is a good fit for most learners, particularly those who are new to online learning.

Edgenuity (EDG) - Provides direct-instruction video content for lessons, making online learning more interactive and personal. They offer a large selection of unique and interesting electives. Edgenuity is a good fit for those students who are not strong readers.

eDynamic - eDynamic is the largest publisher of Career Ready and Elective courses in North America, and the only publisher solely dedicated to developing programs of student in pathways leading to industry recognized certifications.

Accelerate Education (ACC. ED) - The Accelerate Education curriculum offers rich and engaging content that has been carefully designed to meet the standards required by states. Students are engaged in a variety of activities and assessments appropriate to the courses being studied, including labs, journals, written assignments, discussions, group and individual projects, formative assessments, objective tests and written exams.

Edmentum (Edmentum) - Edmentum's powerful learning solutions blend technology with individual teaching approaches. We are committed to making it easier for educators to individualize learning for every student through simple technology, actionable data, quality content, and a passion for customer success.

BVA Courses (BUZZ) - BVA offers a variety of courses K through 12 through the BUZZ Learning Management System. These courses are taught by BVA teachers. The core content, provided by Accelerate Education and eDynamic, rests within the BUZZ Learning Management System and is taught, modified, and adjusted by BVA teachers.

Elementary Courses

Language Arts

Grades K-5:
LMS: BUZZ
**Scheduled separately as Part A and Part B or in Quarter Segments*

Kindergarten:
This Kindergarten Language Arts course will teach students to identify and write all letters, produce letter sounds and also frequently used phonograms. Students will also master weekly sight words and reading and comprehension strategies to grow as readers. All Common Core Kindergarten English Language Arts standards are met in this course.

Grade 1:
This First Grade Language Arts course will teach students to identify and write all letters, produce letter sounds and also frequently used phonograms. Students will also master weekly sight words and reading and comprehension strategies to grow as readers. All Common Core First Grade English Language Arts standards are met in this course.

Grade 2:
The Second Grade Language Arts course will teach students to spell and write vocabulary, read more fluently, apply grammar concepts, and participate in handwriting and writing activities through thematic units. Students will also continue to master weekly sight words and reading and comprehension strategies to grow as readers. All Common Core Second Grade English Language Arts standards are met in this course.

Grade 3:
This Third Grade Language Arts course will teach students reading comprehension skills and strategies to help them become stronger readers. Students will also master weekly spelling and vocabulary words and grammar concepts that will help them become stronger writers. All Common Core Third Grade English Language Arts standards are met in this course.

Grade 4:

The Fourth Grade Language Arts curriculum integrates reading, writing, speaking, listening, and the study of vocabulary and grammar in a way that engages today's learners and supports them in building a broad and diverse set of literacy skills. Students study classic literature as well as more contemporary forms, including media and multimedia products. Writing assignments in semester A focus on narrative and persuasive modes and emphasize the use of reasoning and details to support opinions. Each writing assignment spans several lessons and guides students through a writing process that begins with prewriting and ends by emphasizing one or more aspects of conventions of standard written English. Students also learn how to participate in collaborative discussion and peer review sessions. In each lesson, engaging and relevant models and step-by-step instruction guide students toward mastery and appreciation of 21st century communication in all its forms and functions. Like semester A, semester B provides an integrated curriculum. Whereas the first semester focuses on skills needed to read fiction and other literary prose, semester B teaches specific skills for reading poetry, drama, and informational text. In the second semester of the course, students learn how informational text differs from literary text and how different forms of informational text differ from each other. Writing assignments emphasize expository writing and guide students through research projects. Near the end of the semester, students learn how to present information orally and use multimedia. All Common Core Fourth Grade English Language Arts standards are met in this course.

Grade 5:

The Fifth Grade Language Arts curriculum integrates reading, writing, speaking, listening, and the study of vocabulary and grammar in a way that engages today's learners and supports them in building a broad and diverse set of literacy skills. Students study classic literature as well as more contemporary forms, including media and multimedia products. Writing assignments in semester A focus on narrative and persuasive modes and emphasize the use of reasoning and details to support opinions. Each writing assignment spans several lessons and guides students through a writing process that begins with prewriting and ends by emphasizing one or more aspects of conventions of standard written English. Students also learn how to participate in collaborative discussion and peer review sessions. In each lesson, engaging and relevant models and step-by-step instruction guide students toward mastery and appreciation of 21st century communication in all its forms and functions. Like semester A, semester B provides an integrated curriculum. Whereas the first semester focuses on skills needed to understand literary text, semester B focuses on skills for reading and analyzing informational text. In the second semester of the course, students learn how informational text differs from literary text and how different forms of informational text differ from each other. Writing assignments emphasize expository writing and guide students through research projects. Near the end of the semester, students learn how to present information orally and using multimedia. All Common Core Fifth Grade English Language Arts standards are met in this course.

Math
Grades K-5
LMS: BUZZ
**Scheduled separately as Part A and Part B or in Quarter Segments*

Kindergarten:
During the first semester, students will learn foundational math facts. They will learn to count to 12, how to compare sizes, ordinal numbers putting items in order, what a number line is and its uses, basic measurements such as inches and feet, and how to tell time on digital and analog clocks. Students will have many opportunities to practice these new concepts by interacting with online confirmation exercises and filling out worksheets offline. A special emphasis this semester is for students to have fun with numbers, finding success with concepts such as bigger and smaller and being comfortable in an online environment. In the second semester, students learn to count to twenty. They work with comparing objects using the terms tall, longer, and shorter, as well as comparing two objects using the terms lighter and heavier. They will continue their exploration of basic geometric shapes such as cones and spheres. They will work with the concept of first, middle, and last. Arranging and sorting receive special emphasis this semester. Students will also work on writing numbers with 3, 4, and 5 given special attention. Students will learn the concepts of left and right. Coins are also a focus as students will count pennies, nickels and dimes. Finally, the number 7 is studied using the colors of the rainbow. Projects include making paper fingers and thumbs and creating designs with them. They will also make the numbers 1-10 out of dough.

Grade 1:
During the first semester students will build fluency with basic math facts. They will learn to count to 100, basic addition and subtraction facts, and how to add double-digit numbers. Students will be introduced to such new concepts as word problems, Venn diagrams, and basic geometric concepts. There is an emphasis on learning practical skills such as reading thermometers, looking at maps, and understanding the value of coins. Students will have multiple opportunities to practice new skills and knowledge through using integrated online practice problems. During the second semester students will begin counting by twos, fives, and tens. They will learn both vertical addition and subtraction. Students are introduced to multiplication and division and the signs used in those operations. They will also study even and odd numbers. Students continue their exploration of geometric shapes through drawing and apply what they learn about shapes by sorting various figures in Venn diagrams. They will also use a balance beam to understand the concept of weight – lighter versus heavier. As in the first semester, students will have multiple opportunities to practice new skills and knowledge through using integrated online practice problems.

Grade 2:
During the first semester students will build fluency with basic math facts and add and subtract within 100 to solve word problems using strategic methods. Students will also manipulate numbers to 1000 using knowledge of hundreds, tens, and ones. Lastly, students will demonstrate arrays with repeated addition. During the second semester students will use place value to add and subtract within 1000. They will use place value to estimate and solve word problems to demonstrate skills. Students will measure and compare length and represent it on a number line. They will work with money and time to compare value. Students will collect data and how it is represented on graphs to

discuss it. Lastly, they will recognize common 2 dimensional and 3 dimensional shapes by specific characteristics.

Grade 3:
During the first semester, students will build flexibility with numbers as they master addition and subtraction facts as well as multiplication and division facts. Students will understand relationships between addition and subtraction, multiplication and addition and multiplication and division as they learn to borrow, carry, and regroup in order to find sums and differences of two whole numbers up to 10,000. Students will also comprehend the place value of base ten numbers up to 1,000,000 in order to find patterns and make estimations. Lastly, they will implement a 4-step approach to solving problems and express numbers differently including translating them into Roman Numerals or expressing them as ordinal numbers. During the second semester, students will explore concepts of measurement including linear measurement, weight, volume, temperature, and time. They will also recognize, compare, and convert fractions. Students will write amounts of money and make change using as few coins as possible. Lastly, students will examine lines, polygons, and solid figures as they are introduced to basic concepts of geometry.

Grade 4:
Grade Four Math uses a varied amount of instructional material to reinforce and teach new math skills to the 4th grade learners. Instruction includes creative videos, mathematical storytelling, practical math applications and repetition to reinforce skills throughout the course. These areas are focused on and students will finish the course with a strong knowledge in these content areas. The first is developing an understanding and fluency with multi-digit multiplication and developing the understanding of dividing to find quotients involving multi-digit dividends. The second is developing an understanding of fraction equivalence, addition and subtraction of fractions with like denominators, and multiplication of fractions with whole numbers. The third will be addressed in the second semester. In the second semester of grade 4 math, learners are continuing to work with fractions. They will learn to multiply fractions and convert them to decimals. Students will also begin to learn the equivalent measurements of length, weight, mass, and capacity. They will also learn helpful skills in understanding time, distance, and money. Students will develop an understanding that geometric figures can be analyzed and classified based on their properties, such as having parallel sides, perpendicular sides, particular angle measures, and symmetry. Lessons on rectangles, line plots, angles, figure drawing, polygons, and symmetry will be taught. In the second semester, students continue to learn through use of varied forms of instruction that allow students to learn these skills in a practical manner.

Grade 5:
Students will learn math topics outlined in this course drawing from a variety of sources, including hands-on activities, interactive lessons, and practical math applications. Students will focus on several critical areas including, but not limited to, developing fluency with addition, subtraction, multiplication, and division of fractions. They will also learn to extend division to 2-digit divisors, integrate decimal fractions into the place value system, and increase an understanding of operations with decimals to hundredths. They will develop a fluency with whole numbers and decimal operations. The semester begins with operations and expressions, moves into decimals and money, and ends with more work on fractions. Learners will gain valuable skills as they carry out activities that model real life situations like grocery shopping throughout the semester. The second semester

begins with students continuing to work with fractions. The first lesson focuses on ratios and challenges students to solve word problems using fractions and ratios in practical life situations. Learners continue to strengthen their math skills by studying mixed and fraction products, and fraction application, models, and division. Another critical area that students will focus on in Grade 5 Math is volume. Students will receive lessons in measurement of length, weight, and volume. They will end the course with a focus on geometry. Varied types of instruction are used to enhance their learning, including video and real-life applications, activities, and creative projects.

Science
Grades K-5
LMS: BUZZ
**Scheduled separately as Part A and Part B or in Quarter Segments*

Kindergarten:
In Kindergarten Science, students in this course will use their senses to explore their world. Students experience nature walks, gardening, and imitative games by exploring varying concepts. Students in this course will continue using their senses to explore their world. Students experience nature walks, gardening, and imitative games by exploring varying concepts.

Grade 1:
In First Grade Science, students in this course will complete projects that are designed to allow for exploration and discovery. Students observe their surroundings and through observations of the natural world conduct inquiries into topics related to their healthy development. Students in this course will complete projects that are designed to allow for exploration and discovery. Students observe their surroundings and through observations of the natural world conduct inquiries into topics related to their healthy development.

Grade 2:
Second Grade Science introduces students to the process of observation and how important it is to the study of science. Learners will identify their five senses and why they are critical to observation. Students will use these observation skills throughout the course as they examine many different types of animals and their environments. Students begin by observing ants in their own environments and continue onto learning the different types of birds. Students will come to understand plant and animal rhythms and will perform small experiments with plants. Stories will be used to teach the students about nature and interactions that humans have with nature. They will continue to learn about animals and their characteristics, habitats, and needs. Students will learn through video, audio stories, hands-on participation and observation with nature. The teachers will conduct live assessments for the topics that had been covered throughout the week's lessons. Grade 2 Science provides students with the opportunity to expand their minds and see for themselves the way that animals and nature are a part of their everyday lives. The second semester of Second Grade Science begins with the students learning the characteristics of the Weaverbird and Swiftlet bird. Learners will come to understand the different groupings of animals including those with vertebrates, invertebrates and warm and cold-blooded animals, carnivores, herbivores and omnivores. Learners will be asked to recall the five senses that they discussed at the beginning of the course and compare them to the senses of animals. They will also learn how animals communicate and the relationship between animals and humans. The course ends with the students taking a closer look at the characteristics of reptiles, insects, birds of prey, and fish. At the close of

the course students will have a deeper understanding and appreciation of animals and their habitats.

Grade 3:
Third Grade Science introduces students to experimentation as they journey through the earth and its many miracles. They will begin by learning about the earth, the sun and the moon. By participating in simple experiments students will explore the water cycle, gravity, the weather and its patterns, various types of terrain, and the role of plants in the production of oxygen and their importance to human survival. Learners will expand their knowledge through video, pictures, short readings, projects, and hands on experiments. Learners will understand that experiments require the use of instruments, observation, recording, and drawing evidence-based conclusions. Grade 3 science provides students with the opportunity to expand their minds and see for themselves the way that science is a part of their everyday lives. Semester B of third grade science begins with the students writing a poem about the seasonal cycles. The learners continue with root formation, the interdependence of plants and humans, biomes of land and sea, extreme weather, rocks, vertebrates, and invertebrates, as well as extinction. All these lessons are taught using video, projects, and experimentation. Semester B asks learners to look a bit deeper into things they encounter such as the ocean and weather.

Grade 4:
Fourth Grade Science includes the three main domains of science which are physical, life, and earth and space science. Learners will use various kinds of experimenting, including field studies, systematic observations, models, and controlled experiences. The course begins with the explanation of the scientific method which the students continue to use and build upon throughout the course. The big picture of the earth is examined as students review the life on planet earth, salt and freshwater, and fast and slow changes that occur on the planet. Students go beyond planet earth, though, as they study galaxies, the solar system and other planets. Students examine the ways that forces, and motion can be measured and the concept that a single kind of matter can exist as a solid, liquid or gas. Grade 4 science uses many modes of instruction including video presentations, enrichment activities, and hands-on experimentation. Semester B of Grade 4 Science focuses on the relationship between heat, light, sound, and electrical energy and the way they can be transferred between each other. Learners distinguish between natural objects and objects made by humans as they examine technology and the role it plays in science. Students also look at life cycles of animals, plants, and humans and how they interact with each other. The course ends by looking at the ways that humans interact with the environment. Students will use research skills, watch videos, and get their hands dirty as they complete projects that require them to dig through dirt and trash to learn broader lessons that have to do with helping the environment.

Grade 5:

Fifth Grade Science continues to build on the science skills that have been obtained in years previous. There will be an emphasis on earth and space science, life science, and physical science. Students will begin the course by focusing on earth and space science by looking at the solar system and planets. Students will come to an understanding of the concept of the earth as a sphere and the earth's place in the solar system. The course continues with a focus on physical science and the different tools that can measure force, time, and distance. They will also grow in their understanding of how light and sound travel and interact with each other as well as the different types of energy. The semester concludes with a look into life science and the ways that organisms are interconnected. Instruction will include real life application, hands-on projects and assessments, and video and short research projects. Semester B puts great emphasis on life science and begins by focusing on the many ecosystems of the earth and the way that all parts of ecosystems depend on each other. Students will learn the different types of ecosystems that exist. They will learn that ecosystems change and how the changes affect their ability to support their populations. Learners will examine plants; that they have different structures and how those structures allow them to respond to different needs. Students will also grow in their understanding of the importance of good nutrition to all living organisms. The course concludes with a look into the scientific process and the importance of investigations and conclusions in the study of science. Instruction will include real life application, hands-on projects and assessments, and video and short research projects.

Social Studies
Grades K-5
LMS: BUZZ
**Scheduled separately as Part A and Part B or in Quarter Segments*

Kindergarten:
This course introduces students to their place in the community and the responsibilities of being a member of society. Great figures of U.S. History such as Pocahontas, George Washington and Abraham Lincoln are a focus of learning in this semester. Students will also learn about everyday heroes, the responsibilities of pet ownership, the importance of rules, table manners, and eating well. A skill that students will practice throughout the semester is retelling stories. Students may do this by recording audio, retelling the stories orally, or writing their observations. They will learn how to use details and basics of narratives. Projects will help students think about what pets need and defining emotions. In the second semester students are introduced to map reading skills. They will be taught to read maps of the U.S. and the world. From learning about location to how water is represented to floor plans, students are introduced to map skills that will last a lifetime. Students will also learn about symbols of the U.S. such as the American flag and the eagle. From there students learn about holidays with a particular focus on Thanksgiving. Another focus is on currency. They will be introduced to what money is, how money can be spent, the power of buying locally, and the difference between wants and needs.

Grade 1:
In the first semester, students begin to explore basic fundamentals of social studies including map skills, cardinal directions, and will begin to examine maps of the U.S. and the globe. Students will also be introduced to important figures from American history such as Pocahontas, George Washington, Abraham Lincoln, and Clara Barton. A skill that students will practice throughout the semester is retelling stories. Students may do this by recording audio, retelling the stories orally, or writing their observations. They will learn how to use details and basics of narratives. Students will also make maps of their homes, neighborhoods, as well as a personal timeline. The second semester has a focus on introductory economics. They will study bartering, goods and services, jobs in the community, and how the marketplace works.

Another focus is on positive character traits such as honesty, what the aspects of personal responsibility are, and how to help and respect others. Historic figures such as Clara Barton and characters from fiction and folklore are used as models for teaching positive traits.

Students will continue practicing their five-finger retelling skill with assignments on Martin Alonso (a sailor with Columbus) and George Washington. Projects will help students think about thoughtful words, showing respect, and being honest. Learners will write, draw, and perform in these projects.

Grade 2:
In second grade, students in this course will begin to explore the basic fundamentals of social studies including culture, geography, and economics. Students will explore the Ancient Cultures of China, Africa, and the Celts. Students will explore these cultures through ancient folk tales and fables. Learners will create a photo book that describes the significant events in their own life. They will also examine the importance of geography and direction. Students will learn how to locate boundaries while using a world map. Students will identify the places that were discussed in the previous lessons including Africa, China, and the British Isles. They will develop a rudimentary understanding of map symbols as they locate continents, the equator, and oceans. Students will also learn to identify on a road map where they live, rivers, mountain ranges and lakes nearby their homes. Learners will follow a step-by-step approach for successfully completing each lesson, which includes storytelling, repetition, projects, arts and crafts, and videos. The second semester begins by introducing learners to economics and the role that money plays in every civilization. They will take a closer look at the economy of the Celtic people. Students learn the difference between natural, human, and capital resources. Learners will begin to understand the exchange of money for goods and services. They will gain a basic understanding of what scarcity is and why it is good that we do not always get everything that we want. Students will understand these concepts by drawing upon their understanding of the desires/wishes in their own lives. Students will also learn about desirable human qualities using fables such as “The Boy Who Cried Wolf.” Learners will look at individuals who have made a difference in the greater community. Students will learn about Rosa Parks and Susan B. Anthony through short stories. The end of the course asks learners to examine the diversity of the community they live in. They will be asked to recognize the different types of people around them. Students should gain an appreciation for the differences around them and how having respect for others and being honest will contribute to society. Learners will follow a step-by-step approach for successfully completing each lesson, which includes storytelling, repetition, projects, arts and crafts, and videos.

Grade 3:

In third grade, social studies students will begin to explore the basic fundamentals of social studies including geography, civics, and economics. Learners will begin by looking at the beginning of civilization and examining the ancient Hebrew civilization, the Phoenicians, and the Kush tribe of ancient Africa. They will then move on to examining the Native American tribes of the Cherokee, Sioux, and Hopi. Students will also look at the first explorers of the Americas and learn about the beginning of the United States. In the first semester students will learn important geographical factors in the ancient civilizations, Native American tribes and in the developing United States. Students will increase their skills by creating maps and looking at the landscapes. They will take a close look at their own personal heritage by mapping their ancestry. Learners will follow a step-by-step approach for successfully completing each lesson, which includes storytelling, repetition, projects, arts and crafts, and videos. The second semester begins with introducing learners to economics and the role that money plays in every civilization. Students learn the difference between natural, human, and capital resources. They also examine the production of goods, trade, specialization, and interdependence, and come to understand the importance that each individual contributes in a society's economy. Learners are introduced to Civics by discussing the governmental structure of the Ancient Hebrews and Phoenicians. The purpose and importance of laws and how they are enacted as well as the establishment of government are shown through stories of the Ancient Phoenicians and Native Americans. The course ends by discussing the purpose and nature of government as it relates to the United States.

Grade 4:

In fourth grade Social Studies learners will use their understanding of social studies skills to explore their local states and communities. They will begin the course by learning the topography of their particular area. Students will do this by creating a detailed landscape model. This project will be hands-on and require students to do research of their communities. Learners will also research local animals and gain an understanding of local Native American ground in their part of the country. This course walks students through the research and report writing steps that will be vital to their continuation of social studies. They will continue to focus on their individual states as they do projects based on local geography, state capitols, as well as nearby natural wonders and landforms. The semester concludes with an introduction to Colonial history. The course uses video, enrichment activities, and project-based learning to enhance the student's social studies skills. Semester B of grade 4 Social Studies picks up where semester A left off by looking further into frontier life of the early American settlers. Students examine the difficulties that early settlers faced when reaching America. They apply knowledge of historical thinking, chronology, turning points, individuals, and themes of local and United States history in order to understand how history has shaped the present and will shape the future. They will continue the focus of local history by doing research projects on settlers from their particular states and on how their state became a part of the Union. The transition from the pony express to the transcontinental railroad is a major theme that shows how quickly the United States developed. Students end by creating a time capsule that demonstrates what was important to early settlers from their particular states.

Grade 5:

Fifth Grade Social Studies combines the study of United States History through the Civil War with a geographical exploration of the United States and what it has to offer. Students will use their understanding of social studies skills and concepts as they study the development of the United States. The first semester begins with early settlements of North America and allows learners to take an in-depth look into what life was like for colonists and Native Americans. Students will come to understand the causes of the Revolutionary War and the people that played a significant role in it. The semester ends with students examining the new nation and what life was like for European immigrants and those on the frontier. Students will learn through the use of video, journaling, and varied types of creative instruction. Semester B begins with an exploration of the west and what life was like for those looking to find gold. Learners will then look at slavery and what led to the Civil War. The course then takes a departure from American history and takes a more in-depth look into cultures, people, and the geography of the United States from past to present. Learners will have the opportunity to explore the country region by region and come to appreciate all that it has to offer. Students will conclude the course by planning and describing a trip they would like to take to a particular place within the 50 United States. Students will take a hands-on approach as they get to know the geography, climate and culture of their country. Video, creative projects involving technology, journaling, and varied assessments will be used throughout the course.

Physical Education

Grades K-5

LMS: ACC. ED

**Half Credit Courses: PE is offered in one semester and Health is offered in one semester.*

Grades K-1:

Elementary PE K-1 helps young learners establish a basic understanding of health and fitness. Students focus on health-related fitness and learn how to become more fit and healthy. Topics of study include exercise safety, making healthy choices, nutrition, the benefits, components, and principles of fitness, basic anatomy and physiology, and values of cooperation and teamwork. In addition, students learn age-appropriate motor, non-locomotor, and manipulative skills. Students are required to participate in regular physical activity.

Materials: Heart rate monitor, SPRI Resistance Tubing Kit

Grades 2-3:

Elementary PE 2-3 helps young learners establish a basic understanding of health and fitness. Students focus on health-related fitness and learn how to become more fit and healthy. Topics of study include warm-up and cool down, water safety, goal setting, nutrition, muscle strength and flexibility. In addition, students learn age-appropriate motor, non-locomotor, and manipulative skills. Students are required to participate in regular physical activity.

Grades 4-5:
Elementary PE 4-5 helps young learners establish a basic understanding of health and fitness. Students focus on health-related fitness and learn how to become more fit and healthy. Topics of study include warm-up and cool down, water safety, goal setting, nutrition, muscle strength and flexibility. In addition, students learn age-appropriate motor, non-locomotor, and manipulative skills. Students are required to participate in regular physical activity.

Health
Grades K-5
LMS: ACC. ED
**Half Credit Courses: PE is offered in one semester and Health is offered in one semester.*

Grades K-1:
Elementary Health K-1 helps young learners establish a basic understanding of the aspects of health. Students focus on the various aspects of their health and how they can make healthy choices. Topics of study include personal safety, healthy behaviors, nutrition, communication, disease prevention, basic anatomy and physiology, and values of cooperation and teamwork.

Grades 2-3:
Elementary Health 2-3 helps young learners establish a basic understanding of the aspects of health. Students focus on the various aspects of their health and how they can make healthy choices. Topics of study include personal safety, healthy behaviors, nutrition, disease prevention, conflict resolution, basic anatomy and physiology, and the values of respect and cooperation.

Grades 4-5:
Elementary Health 4-5 helps young learners establish a basic understanding of the aspects of health. Students focus on the various aspects of their health and how they can make healthy choices. Topics of study include personal safety, reducing illness, avoiding bullying, nutrition, healthy friendships, emergency situations, and the human body. Fourth grade will study the functioning systems of the body. Fifth grade will be covering the reproductive system, puberty and STDs.

Elementary Electives
Grades: K-5
LMS: ACC. ED
**Half Credit Courses*

Kindergarten:
This course provides a foundation for children's inherent artistic imagination and creativity by sharing the basics of art and making art. Students are introduced to lines, circles, recognizing and using shapes, creating a collage and concepts such as symmetry. Young artists will also explore a variety of media such as pastels, watercolors, crayons, tempera, and pencil drawing. A particular emphasis of this course is on creating works of art. In this semester students will work with clay, draw with pastels, make fingerprint flowers, draw barns and animals using shapes and recognize lines using the student's name. In the second semester, an emphasis will be placed on students applying what has been learned to make more detailed works of art. Among the projects in the second semester will be creating a bird feeder, making pig puppets, craft paper flowers, making potpourri, craft a heart collage, construct a wind chime, and press flowers.

Grade 1:
This course provides a foundation for children's inherent artistic imagination and creativity by sharing the basics of art and making art. Students are introduced to primary colors, the color wheel, shapes such as lines and circles, and concepts such as symmetry. Young artists will also explore a variety of media such as pastels, watercolors, crayons, tempera, and pencil drawing. A particular emphasis of this course is on creating works of art. In this semester students will work to create a watercolor tree, use a painting block, introduce weather painting, and produce a watercolor painting. In the second semester, an emphasis will be placed on students applying what has been learned to make more detailed works of art. Students will be creating colorful calendars, stenciling, fashioning intricate flower drawings, revisiting symmetrical objects, and mixing colors. This course will provide students with opportunities to experience many different forms of arts and to express their imagination while learning valuable skills. Each student is an individual with unique ideas and talents. Our goal is to provide each student an opportunity for personal growth for themselves and the world in which we live.

Grade 2:

Art provides an opportunity for children to develop the use of their senses directly and encourages the student to further develop what they already know as a source of knowledge and creativity. Art offers the student an opportunity to express feelings and emotions in their drawings and with color. Arts and Crafts promote self-esteem and self-awareness as it enhances personal fulfillment. Children have a wonderful imagination that, if encouraged, will be needed throughout their life. This course provides an opportunity for self-discipline through instruction and cooperation providing the student with an opportunity for self-expression by using imaginative thinking for creative solutions. Learners will begin the course by creating a color wheel and understanding the difference between primary and secondary, and complimentary colors. Learners will use watercolors, to create a value chart and begin to understand symmetry in art. Students will continue to explore creativity while also learning ways that art can be functional and add to objects and materials that we use on an everyday basis. The course concludes with students working with wet crayons and wet paper. This course will provide students with opportunities to experience many forms of art and to express their imagination.

Art Level 1:

The importance of fine arts is a benefit, not just to the older student and population, but is a necessary area of development for the young student who will benefit with it in all areas of education. Art provides an opportunity for children to develop the use of their senses directly and encourages the student to further develop what they already know as a source of knowledge and creativity. It is important for the student to make a connection between the verbal and visual; logic and emotions; imagination and reality. Art offers the student an opportunity to express feelings and emotions in their drawings and with color. The fine art program promotes self-esteem and self-awareness as it enhances personal fulfillment. Children have a wonderful imagination that, if encouraged, will be needed throughout their life. This program provides an opportunity for self-discipline through instruction and cooperation while providing the student with an opportunity for self-expression by using imaginative thinking for creative solutions. Again, this is a necessity in lifetime experiences. The student will see the artistic expressions and inventions from cultures around the world that are part of the history of mankind and development. Modern media provides many opportunities to the student. However, the student has the benefit to experience it more closely in art classes. Repetition, important for young children, is evident in these lessons. Repetition is provided at different age levels while using various tools and mediums. Home, family and friends, pets, and toys are the young student's world. The student will begin with their personal world as they think they know it and discover so much more about it. These lessons provide a deeper awareness of the world immediately around them, and eventually their journey will grow from there. Each student is an individual with unique ideas and talents. Our goal is to provide each student an opportunity for personal growth for themselves and the world in which we live.

Art Level 2:

The importance of fine arts is a benefit, not just to the older student and population, but is a necessary area of development for the young student who will benefit with it in all areas of education. Art provides an opportunity for children to develop the use of their senses directly and

encourages the student to further develop what they already know as a source of knowledge and creativity. It is important for the student to make a connection between the verbal and visual; logic and emotions; imagination and reality. Art offers the student an opportunity to express feelings and emotions in their drawings and with color. The fine art program promotes self-esteem and self-awareness as it enhances personal fulfillment. Children have a wonderful imagination that, if encouraged, will be needed though out their life. This program provides an opportunity for self-discipline through instruction and cooperation while providing the student with an opportunity for self-expression by using imaginative thinking for creative solutions. Again, this is a necessity in lifetime experiences. The student will see the artistic expressions and inventions from cultures around the world that are part of the history of mankind and development. Modern media provides many opportunities to the student. However, the student has the benefit to experience it more closely in art classes.

Repetition, important for young children, is evident in these lessons. Repetition is provided at different age levels while using various tools and mediums. Home, family and friends, pets, and toys are the young student's world. The student will begin with their personal world as they think they know it and discover so much more about it. These lessons provide a deeper awareness of the world immediately around them, and eventually their journey will grow from there. Each student is an individual with unique ideas and talents. Our goal is to provide each student an opportunity for personal growth for themselves and the world in which we live.

Art Level 3:

The Art program provides an opportunity for children to develop the use of their senses directly and encourages the student to further develop their personal source of knowledge and creativity. Art offers the student the opportunity to experience a connection between the verbal and visual; logic and emotions; imagination and reality. The student is guided and encouraged to express feelings and emotions in their drawings and with color while promoting self-esteem and self-awareness in personal fulfillment. The imagination in children is encouraged in art. However, it will assist them in their other studies as well. This program provides an opportunity for self-discipline through instruction and cooperation while providing the student with an opportunity for self-expression by using imaginative thinking for creative solutions. The student is introduced to some of the artistic expressions and techniques from cultures around the world. Modern technology provides opportunities for the student to observe this history. The art student will use some of these elements themselves in their own artwork. Repetition, important for children, is provided at different age levels while using various tools and mediums. Home, family, traditions, friends, pets, and toys are the young student's world. The student will explore what they know of their world. These lessons provide a deeper awareness of the world immediately around them where their journey is just beginning. As an individual each student is gifted with unique talents and ideas. Our goal is to provide each student an opportunity for personal growth for themselves and the world in which they live.

Art Level 4:

The Art program provides an opportunity for children to develop the use of their senses directly and encourages the student to further develop their personal source of knowledge and creativity. Art offers the student the opportunity to experience a connection between the verbal and visual; logic and emotions; imagination and reality. The student is guided and encouraged to express feelings and emotions in their drawings and with color while promoting self-esteem and self-awareness in personal fulfillment. The imagination in children is encouraged in art. However, it will assist them in their other studies as well. This program provides an opportunity for self-discipline through instruction and cooperation while providing the student with an opportunity for self-expression by using imaginative thinking for creative solutions. The student is introduced to some of the artistic expressions and techniques from cultures around the world. Modern technology provides opportunities for the student to observe this history. The art student will use some of these elements themselves in their own artwork. Repetition, important for children, is provided at different age levels while using various tools and mediums. Home, family, traditions, friends, pets, and toys are the young student's world. The student will explore what they know of their world. These lessons provide a deeper awareness of the world immediately around them where their journey is just beginning. As an individual each student is gifted with unique talents and ideas. Our goal is to provide each student an opportunity for personal growth for themselves and the world in which they live.

Music Recorders

Grades K-3

This course combines music and performing arts. Students will experience and learn new songs and perform them using their bodies. In addition, the student will begin learning how to play the recorder. *A music recorder is an additional purchase and necessary for the class.

Keyboarding

Grades: 3-8

The keyboarding course is appropriate for elementary and middle school students. The curriculum introduces new keys by rows where students first learn the middle row, then the top row and the bottom row of the keyboard. The content is designed with a strong focus on sight and high frequency words. This course assumes no keyboarding experience and will guide them through the keyboard.

Scratch Coding

Grades: 3-5

Scratch is a program developed by MIT teaching students the basics on how computers think! This program will introduce students to real coding programs and allow them to drag and drop coding blocks creating a fully functional program. The simple user interface and tutorials allow students to quickly create and run their code to see its results! This course assumes no prior computer coding knowledge and includes self-graded multiple-choice tests and quizzes.

Middle School

Language Arts 6
Grade 6
1.0 Credit

LMS: EDG
This course eases students' transition to middle school with engaging, age-appropriate literary and informational reading selections. Students learn to read critically, analyze texts, and cite evidence to support ideas as they read essential parts of literary and informational texts and explore a full unit on Lewis Carroll's classic novel Through the Looking Glass. Vocabulary, grammar, and listening skills are sharpened through lessons that give students explicit modeling and ample practice. Students also engage in routine, responsive writing based on texts they have read. In extensive, process-based writing lessons, students write topical essays in narrative, informative, analytical, and argumentative formats. In this full-year course, students develop a mastery of reading, writing, and language arts skills.

LMS: Accelerate Education/Buzz
In the first semester, through a study of myths, fables, and folk tales from different cultures—as well as novels and other modern forms of narrative, students learn the elements common to all forms of literature and also the elements that are unique to each form. In lessons focused on writing and language study, students craft essays in several different modes and learn how to create the more formal style expected for school writing assignments. Lessons in this semester guide students to recognize and reproduce text structures and organizational patterns that work for different types of essays. The writing lessons also demonstrate the kinds of changes that students should make during the revising and editing stages of the writing process. Opportunities for teacher feedback are frequent, detailed, and varied. The second semester of Language Arts 6 builds on the skills and concepts introduced in the first semester. Students tackle more difficult texts in Semester B and apply more advanced analysis skills to reading and writing tasks. They also study some of the more subtle aspects of language, such as the role of connotation and nuance in an author's word choices and how those choices affect readers. Reading assignments are selected, in part, to provide models for students' own writing in specific modes, forms, or genres. Several lessons demonstrate methods of sharing and publishing writing using 21st century technology.

LMS: ODY

In English Language Arts Grade 6, students will delve into texts that span the genres of narrative fiction, poetry, literary nonfiction, and informational texts to build reading, writing and thinking skills. Students will also develop their writing skills as they focus on the six traits while producing narrative, argumentative, and explanatory compositions, as well as creative pieces including poetry. The course concludes with students completing a full research report. With a strong emphasis on close reading instruction, writing and thinking activities, as well as speaking and listening tasks, this course will help students expand their understanding of literature while building 21st century skills. Multimedia and interactive elements are built into every lesson to ensure a high-level of student engagement. To become critical consumers of text, they need to be exposed to increasingly more complex texts to which they apply those skills. In English language arts, that critical content is both rigorous and relevant and includes high-quality contemporary works as well as the classics of literature. Students will be enriched as they expand their skills and confidence in English language arts through a comprehensive study.

Language Arts 7

Grade 7

1.0 Credit

LMS: EDG

Students grow as readers, writers, and thinkers in this middle school course. With engaging literary and informational texts, students learn to think critically, analyze an author's language, and cite evidence to support ideas. Students complete an in-depth study of Jack London's classic novel White Fang and read excerpts from other stories, poetry, and nonfiction. Explicit modeling and ample opportunities for practice help students sharpen their vocabulary, grammar, and listening skills. Students also respond routinely to texts they have read. In extensive, process-based writing lessons, students write topical essays in narrative, informative, analytical, and argumentative formats. In this full year course, students develop a mastery of reading, writing, and language arts skills.

LMS: Accelerate Education/Buzz

Through analysis of written, spoken, and multimedia texts, students will become more critical consumers of information and of various forms of media. They will also synthesize and organize ideas to prepare structured essays in several different modes, including narrative, persuasive, and expository. Each lesson will guide students in learning and applying specific strategies for reading and writing different types of texts. A review of basic English mechanics is included in many of the writing lessons, along with a discussion of levels of formality required for different purposes and audiences. This course provides instruction in many modalities, including audiovisual presentations and videos, interactive activities, projects, and discussions. Opportunities for teacher feedback are frequent, detailed, and varied. The second semester of Language Arts 7 builds on the skills and concepts introduced in the first semester. Students tackle more difficult texts and themes in Semester B, and the level of analysis demonstrated and required is more in-depth. In this part of the course, students study the English language closely—both its history and evolution, and the less obvious ways it can be used to convey meaning. The reading assignments are selected to guide students in understanding how language can be used to convey broader themes in poetry, drama,

and humorous or satirical texts. Students continue to develop their writing skills through multi-draft assignments and projects. Emphasis in this semester is on recognizing the multiple levels of meaning that any word or phrase might convey, and in writing one's own texts with these concepts in mind.

LMS: ODY

In English Language Arts 7, students will be given opportunities to build a foundation in fiction, drama, poetry, mythology, and nonfiction. To build this foundation, students will hone their abilities to critically read, discuss, and write about the various texts and genres in this course. Their reading of fictional texts will allow them to explore questions pertaining to character, plot, setting, and conflict. For nonfiction texts, students will locate main ideas and rhetorical strategies that will allow them to understand the author's purpose and audience. For writing, students will have opportunities to not only reflect upon the studied texts, but also model their writing after the pieces they analyze, allowing them to practice their growing skill base. To become critical consumers of text, students will be exposed to increasingly more complex texts to which they apply those skills. In English language arts, that critical content is both rigorous and relevant and includes high-quality contemporary works as well as the classics of literature. In English language arts, that content includes high-quality contemporary works, the classics of American literature, and the timeless dramas of Shakespeare. Students will be enriched as they expand their skills and confidence in English language arts through a comprehensive study.

Language Arts 8

Grade 8

1.0 Credit

LMS: EDG

In this course, students build on their knowledge and blossom as thoughtful readers and clear, effective writers. A balance of literary and informational texts engages students throughout the course in reading critically, analyzing texts, and citing evidence to support claims. Students sharpen their vocabulary, grammar, and listening skills through lessons designed to provide explicit modeling and ample opportunities to practice. Students also routinely write responses to texts they have read, and use more extensive, process-based lessons to produce full-length essays in narrative, informative, analytical, and argumentative formats. In this full year course, students develop a mastery of reading, writing, and language arts skills.

LMS: Accelerate Education/Buzz

Through analysis of written, spoken, and multimedia texts, students will become more critical consumers of information and of various forms of media. They will also synthesize and organize ideas to prepare structured essays in several different modes, including narrative, persuasive, and expository. Each lesson will guide students in learning and applying specific strategies for reading and writing different types of texts. A review of basic English mechanics is included in many of the writing lessons, along with a discussion of levels of formality required for different purposes and audiences. This course provides instruction in many modalities, including audiovisual presentations

and videos, interactive activities, projects, and discussions. Opportunities for teacher feedback are frequent, detailed, and varied. The second semester of Language Arts 7 builds on the skills and concepts introduced in the first semester. Students tackle more difficult texts and themes in Semester B, and the level of analysis demonstrated and required is more in-depth. In this part of the course, students study the English language closely—both its history and evolution, and the less obvious ways it can be used to convey meaning. The reading assignments are selected to guide students in understanding how language can be used to convey broader themes in poetry, drama, and humorous or satirical texts. Students continue to develop their writing skills through multi-draft assignments and projects. Emphasis in this semester is on recognizing the multiple levels of meaning that any word or phrase might convey, and in writing one's own texts with these concepts in mind.

Language Arts 8
Grade 8
1.0 Credit

LMS: ODY
English Language Arts Grade 8 is a survey of literature that explores the work of various writers of different time periods through an historical lens. Students should enter this course with a foundation in analyzing, through a close study, various genres of literature and making connections with historical perspectives and the arts. In this course, students will build on these skills by studying a range of classic and contemporary literature to convey themes of American History, Natural History, World Civilization, and Air and Space. Students will also develop their writing skills while producing informative, argumentative, and narrative compositions. Supported by a balance of fictional and informational texts, students will learn and practice close reading, modeled reading, writing, speaking, and listening strategies.

To become critical consumers of text, students will be exposed to increasingly more complex texts to which they apply those skills. In English language arts, that critical content is both rigorous and relevant and includes high-quality contemporary works as well as the classics of literature. The content includes high-quality contemporary works, the classics of American literature, and the timeless dramas of Shakespeare. Students will be enriched as they expand their skills and confidence in English language arts through a comprehensive study.

Math 6
Grade 6
1.0 Credit

LMS: EDG
This course begins by connecting ratio and rate to multiplication and division, allowing students to use ratio reasoning to solve a wide variety of problems. Students further apply their understanding of multiplication and division to explain the standard procedure for dividing fractions. This course builds upon previous notions of the number system to now include the entire set of rational numbers. Students begin to understand the use of variables as they write, evaluate, and simplify expressions. They use the idea of equality and properties of operations to solve one-step equations and inequalities. In statistics, students explore different graphical ways to display data. They use

data displays, measures of center, and measures of variability to summarize data sets. The course concludes with students reasoning about relationships among shapes to determine area, surface area, and volume.

LMS: Accelerate Education/Buzz

Students begin the first semester of this course with a review of basic addition, subtraction, multiplication and division of whole numbers. More complex concepts are built on these basics. Students learn how to add, subtract multiply and divide integers, decimals and fractions. The course also includes lessons on ratios and proportions. The second semester of Math 6 introduces students to the order of operations and how to use them in solving application problems. Building on these concepts, students are then introduced to the basics of algebra and algebraic expressions. Students then learn how to apply these problem-solving skills to percent's and solving single and multiple step equations. An exploration of Geometry, probability and statistics concludes the second semester.

LMS: ODY

Math 6 is a full-year elementary math course focusing on number skills and numerical literacy, with an introduction to rational numbers and the skills needed for algebra. In it, students will gain solid experience with number theory and operations, including decimals and fractions. This course also integrates ratio relationships and proportional reasoning throughout the units, as well as introduces students to geometric and statistical concepts.

Math 7

Grade 7
1.0 Credit

LMS: EDG

This course begins with an in-depth study of proportional reasoning during which students utilize concrete models such as bar diagrams and tables to increase and develop conceptual understanding of rates, ratios, proportions, and percentages. Students' number fluency and understanding of the rational number system are extended as they perform operations with signed rational numbers embedded in real-world contexts. In statistics, students develop meanings for representative samples, measures of central tendency, variation, and the ideal representation for comparisons of given data sets. Students develop an understanding of both theoretical and experimental probability. Throughout the course, students build fluency in writing expressions and equations that model real-world scenarios. They apply their understanding of inverse operations to solve multi-step equations and inequalities. Students build on their proportional reasoning to solve problems about scale drawings by relating the corresponding lengths between objects. The course concludes with a geometric analysis of angle relationships, area, and volume of both two- and three-dimensional figures.

LMS: Accelerate Education/Buzz

In this first semester, students work with problem-solving skills, beginning algebra skills, geometry, decimals, fractions, data analysis, number theory and patterns, percent, and integer use. Projects measure the student's ability to integrate and apply the course objectives. In this continuation of the first semester, students work with fractions; unit conversions; proportions and rates; percent's; geometry topics including lines, angles, polygons, polyhedrons, perimeter, area, surface area, volume, and transformations; squares and square roots; permutations and combinations; and probability. Real-life application of concepts is emphasized in all units.

LMS: ODY

Mathematics 7 is designed to prepare students for Pre-Algebra. This course focuses on strengthening needed skills in problem solving, number sense, and proportional reasoning. It also introduces students to operations with rational numbers, solving multi-step equations and inequalities, and geometric concepts. Students will begin to see the "big picture" of mathematics and learn how numeric, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking.

Math 8

Grade 8

1.0 Credit

LMS: EDG

The course begins with a unit on input-output relationships that builds a foundation for learning about functions. Students make connections between verbal, numeric, algebraic, and graphical representations of relations and apply this knowledge to create linear functions that can be used to model and solve mathematical and real-world problems. Technology is used to build deeper connections among representations. Students focus on formulating expressions and equations, including modeling an association in bivariate data with a linear equation, and writing and solving linear equations and systems of linear equations. Students develop a deeper understanding of how translations, rotations, reflections, and dilations of distances and angles affect congruence and similarity. Students develop rules of exponents and use them to simplify exponential expressions. Students extend rules of exponents as they perform operations with numbers in scientific notation. Estimating and comparing square roots of non-perfect squares to perfect squares exposes students to irrational numbers and lays the foundation for applications such as the Pythagorean theorem, distance, and volume.

LMS: Accelerate Education/Buzz

The first semester of Math 8 will help students move from the world of simple mathematics to the exciting world of Algebra and Geometry and will provide them with a concrete understanding of the basics for algebraic thinking. Students will develop a deeper understanding of the math concepts they have already learned and will stretch their thinking by solving real world problems. The second semester of Math 8 builds on the concepts learned in the first semester and prepares students with the building blocks needed to dive deeper into the exciting world of Algebra and Geometry.

Pre-Algebra
Grades 7-8
1.0 Credit

LMS: Accelerate Education/Buzz
Pre-Algebra A will help students move from the world of simple mathematics to the exciting world of Algebra and Geometry. They will develop skills that will be necessary throughout their life. Students will stretch their thinking by learning to solve real world problems. Learning math and algebra concepts can be fun. Abstract ideas can be challenging for many students, but the challenge is one they can meet. Concepts are presented with a little humor, making the learning fun. Students will enjoy learning each new concept and develop a deeper understanding of the math skills they already have. Each concept is presented using examples of the skills, concepts, and strategies students will need. Scaffolding of ideas is provided to ensure student learning. The course is offered in a six-unit format containing 5 lessons each for a total of 30 lessons. Students will study text pages, watch videos, interact with flash presentations, and complete practice problems. The pace is controlled by the student and reviewing the material is encouraged. Pre-Algebra B will continue to move students into the exciting world of the unknown, Algebra. Building on what they have learned in mathematics and Pre-Algebra, students will expand their skills. They will be introduced to increasingly abstract concepts. Pre-Algebra B will provide the student with a concrete understanding of the basics for algebraic thinking. With numerous hands-on activities and demonstration videos, they will have multiple opportunities to enhance their process solving skills. Students will be given different assessment opportunities to demonstrate mastery of each skill. The course is offered in a six-unit format containing 5 lessons each for a total of 30 lessons. Students will study text pages, watch videos, interact with flash presentations, and complete practice problems. The pace is controlled by the student and reviewing the material is encouraged.

Pre-Algebra
Grade 8
1.0 Credit,

LMS: ODY
Pre-Algebra is an introductory algebra course designed to prepare junior-high school students for Algebra I. The course focuses on strengthening needed skills in problem solving, integers, equations, and graphing. Students will begin to see the "big picture" of mathematics and learn how numeric, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking. Students will be expected to: gain an increased awareness of how math is a life skill; understand how math is like a language, with a set of conventions; explore concepts taught in previous math courses at higher levels and in real world applications; practice algebraic thinking in order to model and solve real world problems; utilize new skills and concepts that will help them in future math courses; introduce variable expressions and equations (single and multiple variable); introduce linear functions, relationships between dependent and independent variables and coordinate graphing.

LMS: EDG

This full-year course is designed for students who have completed a middle school mathematics sequence but are not yet algebra ready. This course reviews key algebra readiness skills from the middle grades and introduces basic Algebra I work with appropriate support. Students revisit concepts in numbers and operations, expressions and equations, ratios and proportions, and basic functions. By the end of the course, students are ready to begin a more formal high school Algebra I study

Developmental Algebra

Grade 8

1.0 Credit

LMS: ODY

This course is designed for the student who needs Algebra I concepts taught at a slower pace and will allow the student to complete half of Algebra I over the course of a full year. Within the Developmental Algebra course, the student will explore basic algebraic fundamentals such as evaluating, creating, solving and graphing linear, quadratic, and polynomial functions. BVA recommends that the students taking this course take Continuing Algebra the following year to complete all content for Algebra I.

Algebra I

Grade 8

1.0 Credit

LMS: ODY

Algebra I is a full year, high school credit course that is intended for the student who has successfully mastered the core algebraic concepts covered in the prerequisite course, Pre-Algebra. Within the Algebra I course, the student will explore basic algebraic fundamentals such as evaluating, creating, solving and graphing linear, quadratic, and polynomial functions.

LMS: EDG

This full-year course focuses on five critical areas: relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, expressions and equations, and quadratic functions and modeling. This course builds on the foundation set in middle grades by deepening students' understanding of linear and exponential functions and developing fluency in writing and solving one-variable equations and inequalities. Students will interpret, analyze, compare, and contrast functions that are represented numerically, tabularly, graphically, and algebraically. Quantitative reasoning is a common thread throughout the course as students use algebra to represent quantities and the relationships among those quantities in a variety of ways. Standards of mathematical practice and process are embedded throughout the course, as students make sense of problem situations, solve novel problems, reason abstractly, and think critically.

Algebra I
Grade 8
1.0 Credit
LMS Accelerate Education/Buzz

Algebra 1 (semester A) introduces students to the world of Algebra through expressions and equations. Students will evaluate algebraic expressions, solve linear equations and graph them. This course also steers students through various real-world scenarios with the emphasis on using basic statistics to interpret the information given and found. Students learn through online lesson materials, videos and interactive activities. The end of each unit tests students' understanding with a self-check quiz with feedback. Also included is a unit exam and project for students to apply what they have learned. Teacher feedback is provided throughout the semester.

Algebra 1 (semester B) builds on the concepts learned in the first semester by providing a strong foundation in solving problems. Students will work with problems and applications that involve exponents, quadratic equations, polynomials and factoring methods, rational and radical equations, data analysis and probability. Students will interact with course materials through online lessons, videos, interactive questions and real-world applications. Each unit ends with a self-check quiz to confirm knowledge of the concepts learned. There is also a unit exam and project. Teacher feedback is given throughout the course.

Science 6
Grade 6
1.0 Credit

LMS: EDG
Science 6 allows students to discover the designs and patterns in the physical universe. Areas covered include the study of scientific inquiry, life and cells, bacteria, plants and animals, ecology, chemistry, forces and energy, Earth's atmosphere and weather, and the solar system.

LMS: Accelerate Education/Buzz
Science 6 is an integrated course in which the fields of science are not compartmentalized. Instead, earth and space science, life science, and physical science are integrated within each semester. Semester A begins with instruction on the nature of science. The course focuses on both the understanding and application of science topics. It includes a variety of assignments that help students apply their knowledge of science concepts. Throughout each module, there are multiple opportunities for formative assessment. Semester B builds on the concepts learned in the first semester and prepares the learners with the building blocks needed to dive deeper into earth and space science, life science, and physical science.

LMS: ODY
Science 6 is a basic intermediate course intended to expose students to the designs and patterns in the physical universe. This course expands on the elementary courses, providing a broad survey of the major areas of science. Some of the areas covered in Science 6 include the study of plant and animal systems, plant and animal behavior, genetics, the structure of matter, light and sound, kinematics, planet earth, the solar system, and astronomy. The curriculum seeks to develop the students' ability to understand and participate in scientific inquiry. The units contain experiments

and projects to capitalize on children's natural curiosity. The students will explore, observe and manipulate everyday objects and materials in their environment. Students at this level should begin to understand interrelationships between organisms, recognize patterns in ecosystems, and become aware of the cellular dimensions of living systems. Collectively, this should help students develop and build on their subject-matter knowledge base.

Science 7
Grade 7
1.0 Credit

LMS: EDG
Science 7 allows students to expand their learning with a set of basic scientific skills and a broad survey of the major areas of science. Some of the areas covered include the scientific method, overview of the four major areas of science, mathematics in science, astronomy, the atmosphere, natural cycles, weather and climate, human anatomy and physiology, and careers in science.

LMS: Accelerate Education/Buzz
Science 7 is an integrated course in which the fields of science are not compartmentalized. Instead, earth and space science, life science, and physical science are integrated within each semester. Semester A begins with instruction on the nature of science. The course focuses on both the understanding and application of science topics. It includes a variety of assignments that help students apply their knowledge of science concepts. Throughout each module, there are multiple opportunities for formative assessment. Semester B builds on the concepts learned in the first semester and prepares the learners with the building blocks needed to dive deeper into earth and space science, life science, and physical science.

LMS: ODY
Science 7 is a basic intermediate course intended to expose students to the designs and patterns in the physical universe. This course provides a set of basic scientific skills and a broad survey of the major areas of science. Some of the areas covered in Science 7 include the structure and properties of matter, chemistry, motion, astronomy, electricity and magnetism, waves, and science in our world. The curriculum seeks to develop the students' ability to be aware of and participate in scientific inquiry. The units contain experiments and projects to capitalize on the students' natural curiosity. The students will explore, observe and manipulate everyday objects and materials in their environment. Students at this level should show understanding of the structure of matter, signs of chemical reactions, and expand their knowledge of energy of motion and heat. Students should also be able to identify and demonstrate waves and patterns in waves, science in careers and technology and demonstrate the ability to use and analyze scientific measurements. Collectively, this should help students develop and build on their subject-matter knowledge base.

Science 8
Grade 8
1.0 Credit

LMS: EDG
Science 8 expands on Science 6 and Science 7, providing a set of basic scientific skills and a broad survey of the major areas of science. Some of the areas covered in Science 8 include the structure and properties of matter, measurement and mathematics of science, geology, oceanography, natural cycles and resources, science today and tomorrow, and astronomy. The curriculum seeks to develop the students' ability to be aware of and participate in scientific inquiry. The units contain experiments and projects to capitalize on the students' natural curiosity. The students will explore, observe and manipulate everyday objects and materials in their environment. Students at this level should show understanding of interrelationships between organisms and the environment, recognize patterns in systems, and expand their knowledge of cellular dimensions of living systems. Collectively, this should help students develop and build on their subject-matter knowledge base.

LMS: Accelerate Education/Buzz
Science 8 is an integrated course in which the fields of science are not compartmentalized. Instead, earth and space science, life science, and physical science are integrated within each semester. Semester A begins with instruction on the nature of science.

The course focuses on both the understanding and application of science topics. It includes a variety of assignments that help students apply their knowledge of science concepts. Throughout each module, there are multiple opportunities for formative assessment.

Semester B builds on the concepts learned in the first semester and prepares the learners with the building blocks needed to dive deeper into earth and space science, life science, and physical science.

LMS: ODY
Science 8 is a basic intermediate course intended to expose students to the designs and patterns in the physical universe. This course expands on Science, Grade 7, providing a set of basic scientific skills and a broad survey of the major areas of science. Some of the areas covered in Science, Grade 8 include the structure and properties of matter, measurement and mathematics of science, geology, oceanography, natural cycles and resources, science today and tomorrow, and astronomy. The curriculum seeks to develop the students' ability to be aware of and participate in scientific inquiry. The units contain experiments and projects to capitalize on the students' natural curiosity. The students will explore, observe and manipulate everyday objects and materials in their environment. Students at this level should show understanding of interrelationships between organisms and the environment, recognize patterns in systems, and expand their knowledge of cellular dimensions of living systems. Collectively, this should help students develop and build on their subject-matter knowledge base.

Life Science
Grades 6 – 8
1.0 Credit
LMS: Accelerate Education/Buzz

Life Science is the study of cells, heredity, biological populations and their changes over time. It includes human biology, ecology, diversity of organisms and the history and nature of science. In this course, students will have the opportunity to conduct and design experiments, identify and classify organisms. Students will work on developing skills in data recording, classifying, measuring, observing, hypothesizing, analyzing, evaluation and inferring. Life Science is the study of cells, heredity, biological populations and their changes over time. It includes human biology, ecology, diversity of organisms and the history and nature of science. In this course, students will have the opportunity to conduct and design experiments, identify and classify organisms. Students will work on developing skills in data recording, classifying, measuring, observing, hypothesizing, analyzing, evaluation and inferring.

Earth & Space Science
Grades 6 - 8
1.0 Credit
LMS: Accelerate Education/Buzz

In the first semester students will learn about the scientific method and hone their understanding of using scientific measurements to Earth and Space Science. Also included are lessons on Earth maps and globes including detailed instruction on how to find specific locations using latitude and longitude. Much of the first semester focuses on space science. Students will learn about Earth movements, seasons, the Moon, tides, solar and lunar eclipses, the Sun and its role as the main source of light and energy in the solar system. They will learn about planets, asteroids, meteors, comets and their orbits and how force gravity holds it all together. Outside the solar system there are lessons on stars, constellations, nebula, the Milky Way and galaxies beyond. There have been many recent discoveries in space science. Accordingly, careful attention has been given to presenting the most updated information available in areas of discovery such as stars with planets and the latest methods of detecting them as well as a look at NASA's most recent Curiosity landing on the Martian surface. In the second semester study zeros in closer to home: Earth science. Yet, the coursework is uniquely integrated and applied to disciplines of study outside of Earth science. Starting with the Earth's interior students study rocks and minerals, volcanoes, earthquakes, undersea ridges, trenches and mountains and how the study of Earth's geologic history helps explain these phenomena.

On the Earth's surface students study weathering, soil and erosion as well as water in all its forms the water cycle, oceans and ocean currents. Above the Earth they will study the atmosphere: its composition, air pressure and air movement. This knowledge is then applied to lessons on how human populations are affected by natural resources, renewable and non-renewable, both on and inside the Earth. These lessons are integrated with lessons that discuss how humans and living organisms are affected by air and water pollution, acid rain, changes in the ozone layer and how these conditions influence biodiversity, habitat loss and species survival. The course is capped off by lessons that take an in-depth look at the process of technology design giving students a look at of how scientists and technical designers work together to achieve common goals. Lastly, students are

taught about the kinds of professions that currently exist in the science and technology fields and learn about the necessary academic preparation needed to gain employment in these branches of study.

Physical Science 8
Grade 8
1.0 Credit
LMS: Accelerate Education/Buzz

This is an introduction to the Physical Sciences and scientific methodology. The objectives are to impart a basic knowledge of the physical properties and chemistry of matter. Skills are developed in the classroom, and reinforced through homework reading, and interesting labs that relate to everyday life. This is an introduction to the Physical Sciences and scientific methodology. The objectives are to impart a basic knowledge of the physical properties and chemistry of matter. Skills are developed in the classroom, and reinforced through homework reading, and interesting labs that relate to everyday life.

Social Studies 6
Grade 6
1.0 Credit

LMS: EDG
Designed to introduce students to the study of geography, this course helps students master important concepts in physical and human geography. Comprehensive and organized by region, this two-semester middle school course helps students understand the Earth's physical and human diversity. Students analyze population and settlement patterns and evaluate the ways that human activities modify the physical environment. While studying humans around the world, students compare development, standards of living, systems of government, and economic factors across the globe. In addition, students gain a rich understanding of global cultures and the historical factors that have shaped the world around them. All units in the course are parallel and include studies in physical and human geography, ancient cultures, regional studies, and modern issues.

LMS: Accelerate Education/Buzz
The first semester of Social Studies 6 introduces students to the beginnings of ancient civilization. We will trace the path of human origins in Africa and follow the path of migration around the Earth. This course will help students understand why we study history and the process in which we form conclusions about events in the past. Students will begin to learn about the major ancient civilization around the world and their cultures. Modern civilizations can trace their foundations to these ancient civilizations, and their cultures and histories teach us much about ourselves and the modern world in which we live. In the second semester of Social Studies 6, students will continue to examine ancient civilizations and their cultures. In this semester we will continue to trace the path of human civilization from the Mediterranean through the Eastern world. An emphasis will be placed on critical thinking and connecting themes in history to our modern world.

LMS: ODY

Social Studies 6 focuses on broad themes in geography, culture, technology, history, government, and economics. The student will learn about the geography of the world, the various cultures represented across the globe, and the influence of technology and art on people and places. Lessons will also cover important government and economic concepts.

After completing the course, students should be able to answer a variety of social studies questions and demonstrate a number of social studies skills.

Social Studies 7

Grade 7
1.0 credit

LMS: EDG

Designed to introduce students to the study of geography, this course helps students master important concepts in physical and human geography. Comprehensive and organized by region, this two-semester middle school course helps students understand the Earth's physical and human diversity.

LMS: Accelerate Education/Buzz

This study of the history of the United States emphasizes how ideas, events, and philosophies have shaped the nation. Students will learn about America's past while mastering the skills of historical interpretation. Study begins with the earliest arrivals of people and ends with the conclusion of the Civil War. This course is a continuation of the first semester with an emphasis on how historical ideas, events, and philosophies have shaped the United States. Beginning with Reconstruction, this course uses the same skill development approach to guide students through U.S. history to the present.

World Civilizations

Grade 7
1.0 Credit
LMS: ODY

World Civilizations examines the growth of human society from our earliest beginnings to the present. Students will study such topics as agricultural societies, ancient civilizations, empires, trade, and migration. The lessons in this course will help students answer the following questions: How do the interactions between people, the environment, and ideas form cultures, civilizations, and societies? Is the history of civilization a story of progress? In what ways have human choices shaped history? What brings people to conflict and cooperation? How do events and trends influence individuals, nations, and the world? What factors influence how we record or interpret history?

History & Geography 8

Grade 8
1.0 Credit
LMS: ODY

History and Geography 8 focuses on American History, covering the subject from early exploration through the present day, with special emphasis given to the Civil War and to inventions and

technology of the 19th and early 20th centuries. These areas of focus target three major content strands: History, Geography, and Government and Citizenship. Upon completion of the course, students should be able to: identify significant explorers, such as Christopher Columbus, Francisco Coronado, Sir Francis Drake, Ferdinand Magellan, Henry Hudson, Jacques Cartier, and Samuel de Champlain, noting their accomplishments; understand how conflict between the American colonies and Great Britain led to American Independence; understand political, economic, and social changes that occurred in the United States during the 19th century, including changes resulting from the Industrial Revolution; describe the causes and effects of the Civil War and its aftermath describe the causes and effects of both World Wars; and understand some of the key challenges facing American society in the late 20th and early 21st centuries. Additionally, students will gain practice in report-writing, covering topics like the thirteen colonies, the U.S. Constitution, the Civil War, and inventors.

Social Studies 8
Grade 8
1.0 Credit
LMS: Accelerate Education/Buzz

In this course students will understand the significance of government, law, and politics. They will examine the United States foundational documents and how they shaped the Unites States government. Students will examine the purposes and functions of federal and state government, law, and political systems. Learners will evaluate their role and civic responsibility to their families, communities, and country including voting and being a productive member of society. Learners will follow a step-by-step approach for successfully completing each lesson, which includes textbook reading, interactive activities, supplemental reading, lecture, video clips, and Power Point presentations to enhance and reinforce learning. Learners receive frequent feedback from teacher and peers through discussions. This course takes a more individualistic approach as students closely examine topics such as the justice system, local government, the environment, and the economy. Learners will understand the role that they play in each of these topics and the differences that they can make. Students will get to know leaders and influential people that have championed many causes including civil rights and the environment. Learners will also learn proper ways to interact in society including interpersonal skills and respecting differences in others including disabilities. By the end of semester B students will have a deeper understanding of their civic responsibilities as well as the difference one individual can make in society.

Middle School Electives

Middle School Art & Music Electives
Grades 6-8
0.5 Credit
LMS: ACC. ED & eDynamic

Art Appreciation, LMS: ACC. ED
What makes an artwork a masterpiece? Why do artists create art? What is the difference between Rococo and Art Nouveau? In this course, students will discover the answers to these questions and more. We examine the elements of art and principles of design and explore how artists have used these elements and principles in the creation of art for centuries.

Art Explorations, LMS: ACC. ED
Introducing students to diverse areas in the arts can broaden their perspective on the arts in general. Art Explorations encourages students to experience each of the modern arts disciplines including Visual Arts, Theatre, Music, Media Arts and Dance. Students will also be able to identify areas of special interest where they would like to participate in continued study and the ways that the arts can be a part of their career paths.

Music Appreciation, LMS ACC. ED
Students will gain a thorough understanding of music by studying the elements of music, musical instruments, and music history, as well as music advocacy. Students will be introduced to the orchestra and composers from around the world. They will be required to be a composer, performer, instrument inventor, and advocate.

Middle School Digital Art & Design, LMS: eDynamic
There are so many different types of art in this world—fine art, classical art, visual art—but the impact of digital art and design is all around us, often in ways that you probably aren't even aware of! After taking Digital Art and Design, you'll enjoy a deeper understanding and appreciation for all things digital as you explore this special genre of art found in everything from advertising to animation to photography and beyond. In this course, you'll learn about the evolution of art, the basic principles of art and design, and the role of art in politics and society. Additionally, you will

actually create your own digital art and make it come alive. Give your creative side a boost with this Digital Art and Design course.

*Additional materials required

Middle School Exploring Music, LMS: eDynamic
What comes to mind when you hear the word 'music'? Do you think about your favorite band or artist? Do you think about instruments and scales and chords? The word 'music' means something different to everyone. This is why in Exploring Music there is a little bit of something for everyone! You will learn about how we hear music and how music affects our lives. You will explore important elements of music like rhythm, pitch, and harmony, as well as different musical genres. You will discover more about your singing voice and musical instruments and composition while taking in the history and culture of music over the years. Tune up your understanding and appreciation for all things music by signing up for this course. **Additional materials required*

Middle School Journalism: Tell Your Story, LMS: eDynamic
Are you someone who likes to get the story straight? Do you always want to know more? Who? What? When? Where? How? These are the details that make for a great story. Knowing how to find these key facts and then write them up in a way that makes it easy for others to read about it is the skill of a true journalist. In Middle School Journalism: Tell Your Story, you'll learn how to ask the right questions, look for the details, and find the story in any situation. You'll learn how to gather information effectively, organize ideas, format stories for media production, and edit your articles. Get ready to break that news.

Photography: 1A: Introduction, LMS: eDynamic
Photographs are all around us, and each helps to tell a story. Now it's time for you to create your story through photos you learn how to take in this course. Learn the basics of using a camera, lighting, and how to choose great subjects to create magazine-worthy photos and amaze your friends and family with your skills.

Photography: 1B: Drawing with Light, LMS: eDynamic
What do you think makes a photograph great? Do you want to take fun, interesting photographs of people, places, and pets to post for your friends or hang on your wall? Photo images are everywhere today. Sometimes we see hundreds in one day. But it's obvious that not all photographs are the same—some are definitely cooler than others. In Middle School Photography: Drawing with Light, you'll learn how to take those excellent, jaw-dropping photographs that you see in magazines and on your favorite social media sites. You'll learn the basics of using a camera and how to avoid common photography mistakes. Once you get the hang of this process, you'll be taking photos that will amaze your friends and have them wondering how you do it. **Additional materials required*

Computer Basics, **LMS: ACC. ED**
In this course you will learn how to use productivity and collaboration tools, such as G Suite by Google Cloud to create word processing documents, spreadsheets, surveys and forms such as personal budgets and invitations.

French, German & Spanish I and II
Grades 6-8
1.0 Credit
LMS: ACC.ED & ODY

French I:
French 1 focuses on developing listening skills by repeated exposure to the spoken language. Speaking skills are encouraged through recommended assignments using voice tools. Reading and writing skills, as well as language structures, are practiced through meaningful, real-life contexts. The use of technology enhances and reinforces authentic language development and fosters cultural understandings through exposure to native speakers and their daily routines.

French II:
Semester A focuses on the continuation and enhancement of language skills presented in Level 1. Vocabulary and grammar structures are revisited and expanded to provide students an opportunity to move towards an intermediate comprehension level. Speaking and listening skills are enhanced through recommended real-life voice activities. Listening skills are honed through online dialogues. Reading and writing skills are developed through access to completion of meaningful activities, reading of culturally-related articles of interest and responding to reading in the target language. The use of technology enhances and reinforces authentic language development and fosters cultural understandings through exposure to native speakers and their daily routines. Semester B continues the enhancement of language skills. Vocabulary and grammar structures are revisited and expanded as students explore other French-speaking areas. Speaking and listening skills are enhanced through recommended real-life voice activities. Listening skills are honed through online dialogues. Reading and writing skills are developed through access to completion of meaningful activities related to travel, to the Olympics, to natural disasters, and to the space program. Reading of culturally related articles of interest and responding to reading in the target language, along with the use of technology, reinforces authentic language development and fosters cultural understandings through exposure to native speakers and their daily routines.

German I:
This German 1A course is an introductory course teaching basic comprehension and communication in German. It coordinates the study of language with culture through the use of video, audio and mass media production. This course assumes prior or no knowledge of the German language. It introduces the fundamentals of conversational and grammatical patterns of the German language with presentations to present the material. Students who complete the course successfully will begin to develop a functional competency in the four primary language areas: speaking, reading, listening and writing, while establishing a solid grammatical base and exploration into German culture. The second semester course will expand on the knowledge gained from German 1A and further develop their skills in pronunciation, grammar skills, grammar structures and vocabulary. Oral practice (via Voice Tools), homework assignments, games, songs, watching videos, quizzes, tests, projects and other activities such as writing wikis and journal entries, will be emphasized to

accomplish this goal. The different cultures of the German-speaking world are emphasized through readings, videos and other activities. Taking the time to learn another language is a mind-expanding activity that can open up a world of opportunities and advantages.

German II:
In this course, students build on grammar and language skills that they acquired during their G1A and G1B courses. While reviewing basic grammar skills, (present and past tenses), students learn and study stem-changing verb conjugation and explore cultural themes regarding current events, famous German people, music and famous festivals. In the second semester course, students increase their proficiency in being able to communicate by forming more complex German sentences in a variety of tenses using all four cases (Nominative, Accusative, Dative and Genitive). The variety of topics increases also, from exploring different careers to discussing relationships. Cultural themes are entwined throughout this course related to going shopping, to going to the zoo and also to travel throughout the German-speaking world.

Spanish I, Grades 7-8, LMS: ODY
MS Spanish I is an entry level high school foreign language course that explores the Spanish language through communication, culture, connections, comparisons, and communities. Course materials are designed to support students as they work to gain a basic proficiency in speaking, listening, reading, and writing Spanish, and in cultural competency. MS Spanish Part I introduces students to mechanics of the Spanish language, acquaints them with the cultural differences of Hispanic Countries, and helps them gain a keen awareness of their own culture.

Spanish II, Grades 7-8, LMS: ODY
MS Spanish Part II continues as an entry level high school foreign language course that explores the Spanish language through communication, culture, connections, comparisons, and communities. Students will continue to gain a basic proficiency in speaking, listening, reading, and writing Spanish, and in cultural competency while exploring Puerto Rico, Spain, Cuba, the Dominican Republic, and Panama.**Students can be eligible for 1.0 High School Credit upon successful completion of MS Spanish Part I and II.*

Health Electives
Grade 6-8
0.5 Credit
LMS: EDG & ODY

Healthy Living, Grade 6, LMS: EDG
A one-semester course designed to encourage students to make responsible, respectful, informed, and capable decisions about topics that affect the well-being of themselves and others. The course provides students with targeted and pertinent information, which they can utilize to develop healthy attitudes and behavior patterns. Critical thinking and decision-making skills are taught and practiced throughout the course, as students are encouraged to recognize that they have the power to choose healthy behaviors in order to reduce risk. Areas to be explored include making responsible decisions; communicating effectively; mental & emotional health; building self-esteem; adolescence relationships and responsibilities; drugs, alcohol and tobacco; families & family relationships; preventing abuse & violence; and peer pressure.

Lifetime Fitness, Grade 6, LMS: EDG

A one-semester course that combines comprehensive online instruction with student participation in fitness activities. Throughout the course, students assess individual fitness levels according to the five components of physical fitness: cardiovascular health, muscular strength, muscular endurance, flexibility, and body composition. Through the application of personal fitness assessments, students will design a fitness program to meet their individual fitness goals. Upon completion of the course, students will have the knowledge and skill sets to stay fit and active throughout their lifetime. Areas to be explored: safe exercising and injury prevention; cardiovascular fitness; muscular health, flexibility; nutrition and weight management; lifetime fitness; consumer product evaluation; team and individual sports.

Health Quest I, Grade 7, LMS: ODY

For a healthy alternative to textbooks, try Health Quest! This Internet-based, age-appropriate learning environment is designed to encourage middle school students to take responsibility for their own health and their own learning. Instruction includes lessons on personal hygiene, fitness, proper exercise techniques, personal stewardship, and human anatomy. Engaging multimedia activities keep students' attention and help them develop a healthy skill set for learning in the 21st century. This age-appropriate, media-infused class engages students with audio and video clips to illustrate key concepts and reinforce retention. Topics in this semester-long course include the human body, growth and development, mental and emotional health, basic food groups, ecology, emergency planning, and substance abuse. While students interact with the dynamic content, they also develop skills such as critical thinking, self-directed learning, and digital proficiency to prepare them for 21st century education.

Shape Up, grade 7, LMS: ODY

Shape Up is a semester-length elective designed for middle school students. The course focuses on the health benefit of regular physical activity and of a long-term exercise program. As students move through the course, they will learn about the many aspects of physical fitness, including basic nutrition, the importance of the health-related areas of fitness, and realistic goal setting. Along the way, students will be required to maintain and submit an activity that should be included in an exercise regime and the health benefits of each; and identify the main motivational strategies that can be used to help the student continue in positive fitness habits once this course is completed.

Health Quest II, Grade 8, LMS: ODY

Health Quest II introduces students to concepts of health and safety as they apply to their living environments. Components of a healthy lifestyle and setting reasonable goals to achieve a lifestyle of wellness will equip students to make informed choices and sound decisions. Students will learn about our environment as it applies to broader society, the world, and their own responsibility to stimulate good health around them.

Sport Fitness, Grade 8, LMS ODY

This semester-long elective is designed for middle school students. The course focuses on performance of individual and team sports, with explanations of proper technique, rules of the game or activity, preparation, and good sportsmanship. Team sports include, but are not limited to, soccer, basketball, football, baseball, and volleyball. The content will assist students in the integration of skill-related fitness, and training and nutrition concepts. Students will have the

opportunity to perform each sport on their own time, while keeping a log of activity. The goal is incorporation of activity into their daily lives and the gain of lifelong healthy fitness habits.

Middle School Career Ready Electives

Middle School Career Exploration Electives
Grades 6-8
0.5 Credit
LMS: eDynamic

Career Exploration, Grade 8, LMS: eDynamic
How many times have you heard, "What do you want to be when you grow up?" When you close your eyes and picture yourself in the future, what do you see? Police officer? Doctor? Farmer? Pilot? Teacher? Really, the possibilities are endless. And with so many careers to pick from, it can be confusing knowing where to start your search. In Middle School Career Exploration, you will have the chance to explore more than 15 different career areas including energy fields, human resources, the law, transportation, and more. Discover which careers you might enjoy the most and which ones you'll be best at.

Career Exploration 2, Grade 8, LMS: eDynamic
Imagine that it's 20 years from now. What career do you see yourself in? What do you imagine that you'll be doing? Will you be fighting forest fires or engineering the next rocket into space? With all the careers available, it can be difficult to narrow them down. In Middle School Career Explorations 2 we'll explore more careers and what it takes to succeed. You'll learn more about what steps are needed to prepare for your career and how to compare the pros and cons of different career choices. Finally, you'll get the chance to try out parts of different careers to see if you're a perfect fit.

MS Coding: Introduction, Grades 6-8, LMS: eDynamic
Do you find yourself wondering how your favorite apps, websites, and games were made? Maybe you want to try building your own. Well, now you can! In Middle School Coding 1a, you will learn all about the technology you use in your day-to-day life as well as explore how the internet functions. Get an introduction to the basics of computer science and discover how to create and build your very own website using HTML and CSS. You'll also become familiar with programming languages like JavaScript and Python Programming. You will leave the course with your very own portfolio of work that will showcase your skills and all that you've created.

MS Coding: Learning Python and JavaScript, Grades 6-8, LMS: eDynamic
Building on the prior prerequisite course, students will expand their knowledge of programming languages and web development by further exploring Advanced Python, HTML, and JavaScript. Students will also analyze the differences between web development and web application development, while growing their portfolios, which highlight everything learned and created in the course.

Game Design 1A: Introduction, Grades 6-8, LMS: eDynamic
We all love to play video games – but have you ever wanted to build your own? If you are interested in a career in technology but also want a creative outlet, Game Design might be the field for you. Learn how to build a game from the ground up in Middle School Game Design 1, an interactive and hands-on course that will teach you all the ins and outs of making your own game. You will learn the importance of game structure and discover what makes a game fun, challenging, and interesting to players just like you. You will also have the opportunity to explore the design and creative process involved in game creation, learn block-based programs, and experiment with character and story development. As a bonus, you will leave the course with a digital portfolio of everything you created in class. **Additional materials required*

Game Design 1B: Creating a Game, Grades 6-8, LMS: eDynamic
It's time to take your Game Design knowledge up a level! You built your game design skills and Scratch techniques in the first part of this course. By the end, you wrote your game design document. Now you are ready to start developing that game! You'll create details and add component pieces in a game while learning to prototype, troubleshoot, and test.

2D Studio Art, Grades 6-8, LMS: eDynamic
Close your eyes and imagine you're standing in an art studio—the smell of paint, the heat of the kiln, and the infinite creative possibilities that linger in the air. This is where art is born, and in 2D Studio Art, you'll learn how to bring your art visions to life. Whatever medium you prefer—painting, drawing, photography—this course will teach you the design elements and principles needed to create a work of art, explore your artistic inspirations, travel back in time to look at art in different cultures, and gain insight about the art of critiquing. If you've ever dreamed about making a living as an artist, this course will give you the tools and background that you need to turn those dreams into a reality.

Digital Art & Design, Grades 6-8, LMS: eDynamic
There are so many different types of art in this world—fine art, classical art, visual art—but the impact of digital art and design is all around us, often in ways that you probably aren't even aware of! After taking Digital Art and Design, you'll enjoy a deeper understanding and appreciation for all things digital as you explore this special genre of art found in everything from advertising to animation to photography and beyond. In this course, you'll learn about the evolution of art, the basic principles of art and design, and the role of art in politics and society. Additionally, you will actually create your own digital art and make it come alive. Give your creative side a boost with this Digital Art and Design course. **Additional materials required*

BVA sources curriculum from several vendors to provide the largest catalog possible and the most individualized course content for each learner.
Please visit us at www.cciu.org/bva for more information. Course selection may vary due to vendor availability and is subject to change based on enrollment.

High School Courses

English
Grade 9-12
1.0 Credit
LMS: ODY/EDG/ACC. ED

English I (Composition), LMS: ODY
Students should enter this course with a foundation in fiction, drama, poetry, mythology, and nonfiction. This course will provide them with the opportunity to build on that foundation. They will engage in in-depth analysis of more complex literature, view that literature from its historical perspective, and connect it to other arts. They will write literary analysis, logical arguments, informational/explanatory texts, narratives, and focused research projects. These writing tasks will be both formal and informal. Additionally, they will engage in speaking and listening activities that use and incorporate media and technology. As a result of the reading, writing, speaking, and listening students will do in this course, they will grow their vocabulary and their understanding of how to communicate effectively by making skillful choices when expressing themselves with language. Curriculum decisions for this course are guided by the Common Core State Standards. These standards were developed to provide clear and consistent goals for student learning and to ensure that students have the skills they need to be successful beyond high school. These standards define what students need to know and be able to do by the end of each grade. In addition to defining grade-level skills, the ELA standards require that students be exposed to increasingly more complex texts to which they apply those skills. In order for curriculum to align to these standards, it must be both rigorous and relevant. It must also expose students to certain critical content. In English Language Arts, that content includes classic myths and stories from around the world, America's Founding Documents, Foundational American literature, and Shakespeare.

LMS: ODY
This freshman-year English course engages students in literary analysis and inferential evaluation of great texts both classic and contemporary. While critically reading fiction, poetry, drama, and literary nonfiction, students will master comprehension and literary-analysis strategies. Interwoven in the lessons across two semesters are activities that encourage students to strengthen their oral language skills and produce clear, coherent writing. Students will read a range of classic texts including Homer's the Odyssey, Shakespeare's Romeo and Juliet, and Richard Connell's "The Most Dangerous Game." They will also study short but complex texts, including influential speeches by Dr. Martin Luther King Jr., Franklin D. Roosevelt, and Ronald Reagan. Contemporary texts by Richard Preston, Julia Alvarez, and Maya Angelou round out the course.

LMS: ACC. ED
English for grade 9 is an integrated curriculum. Each unit contains thematically related lessons in five domains: reading and the study of literature, reading informational text, writing, speaking and listening, and language study, which includes word knowledge and grammar skills. Topics are presented in ways that help young adolescents relate literacy skills to other aspects of their lives. Writing assignments include narrative, expository, and persuasive/argumentative modes and emphasize the use of details and reasoning to support ideas. Speaking and listening lessons in Semester A emphasize collaborative discussion skills and peer review. Vocabulary development instruction is integrated into literature and informational text lessons. Each unit ends with an

authentic assessment that presents students with a real-world scenario requiring some of the skills they learned in the unit. Like semester A, semester B consists of integrated units focused on a theme or mode of study. Literature study in semester B focuses on the analysis of different forms of literature and on comparative studies of world literature and literature delivered in different media. Writing and informational text lessons guide students through the stages of research and demonstrate how to evaluate, integrate, and share the information gathered during research. Students are required to share their ideas and analysis using several different modes, including oral and multimedia presentations.

English II (English Literature), Grade 10, LMS: ODY
(ODY) Grade 10 students will study literature that spans centuries, continents, and genres. Each of the four thematically integrated units encourages close study of this literature and its context. Students will gain valuable cultural insight as they read and write about works depicting the social, personal, religious, and political struggles and triumphs faced by people all over the world and all through history. Students will continue to build their literacy skills by engaging in focused reading, composition, speaking and listening activities, vocabulary study, and research. By the end of the course, students will have gained a broader perspective and will be well-prepared to apply that perspective to the study of American Literature in Grade 11.

English II (English Literature), Grade 10, LMS: EDG
(EDG) Focused on application, this sophomore English course reinforces literary analysis and twenty-first century skills with superb pieces of literature and literary nonfiction, application e-resources, and educational interactives. Each thematic unit focuses on specific literary analysis skills and allows students to apply them to a range of genres and text structures. As these units' meld modeling and application, they also expand on training in media literacy, twenty-first century career skills, and the essentials of grammar and vocabulary. Under the guidance of the eWriting software, students also compose descriptive, persuasive, expository, literary analysis, research, narrative, and compare-contrast essays.

Creative Writing, Grades 10-12, LMS: eDynamic
For many hundreds of years, literature has been one of the most important human art forms. It allows us to give voice to our emotions, create imaginary worlds, express ideas, and escape the confines of material reality. Through creative writing, we can come to understand ourselves and our world a little bit better. This course provides students with a solid grounding in the writing process, from finding inspiration to building a basic story to using complicated literary techniques and creating strange hybrid forms of poetry and prose. By the end of this course, students will learn how to discover their creative thoughts and turn those ideas into fully realized pieces of creative writing. **This is a 0.5 credit course.*

English III (American Literature), Grade 11, LMS: ODY
English III is a survey of American Literature and literary culture from its inception through the twentieth century. Students will explore the major literary forms, themes, authors, and periods of American Literature. They will understand how this literature represents the experiences of people native to America, those who immigrated to America, and those who were brought to America against their will. Emphasis is placed on a rhetorical analysis of the literature to determine how authors achieve a particular purpose or effect. Through focused readings, composition, speaking and

listening activities, vocabulary study and research, students will continue to build the literacy skills they need to meet the challenges of high school and beyond.

English III (American Literature), Grade 11, LMS: ODY
This junior-year English course invites students to delve into American literature from early American Indian voices through contemporary works. Students engage in literary analysis and inferential evaluation of great texts as the centerpieces of this course. While critically reading fiction, poetry, drama, and expository nonfiction, students master comprehension and literary analysis strategies. Interwoven in the lessons across two semesters are tasks that encourage students to strengthen their oral language skills and produce creative, coherent writing. Students read a range of short but complex texts, including works by Ralph Waldo Emerson, Emily Dickinson, Herman Melville, Nathaniel Hawthorne, Paul Laurence Dunbar, Martin Luther King, Jr., F. Scott Fitzgerald, Sandra Cisneros, Amy Tan, and Dave Eggers.

English IV (British & World Literature), Grade 12, LMS: ODY
By twelfth grade, students have repeatedly peered through the window to humanity that literature has opened for them. Through it, they have gained valuable perspectives on their world, past and present. Their close-textual interaction with literature over the past three years should have heightened their appreciation for those texts, improved their critical and analytical skills in reading and writing, enhanced their speaking and listening abilities, and enriched their academic and personal vocabulary. The window will now open on selected works of European literature from the twelfth century through the twenty-first century. Students will approach this literature chronologically, so they can see the influences on and evolution of the ideas and forms. Writing, research, and speaking assignments will continue to focus on formulating and expressing ideas and arguments about the readings. Emphasis will be placed on gaining critical perspective on the relationship between content and form and on synthesizing ideas into clear and concise prose and presentations.

English IV (British & World Literature), Grade 12, LMS: ODY
This senior-level English course offers fascinating insight into British literary traditions spanning from Anglo-Saxon writing to the modern period. With interactive introductions and historical contexts, this full-year course connects philosophical, political, religious, ethical, and social influences of each time period to the works of many notable authors, including Chaucer, William Shakespeare, Queen Elizabeth I, Elizabeth Barrett Browning, and Virginia Woolf. Adding an extra dimension to the British literary experience, this course also exposes students to world literature, including works from India, Europe, China, and Spain.

Math
Grades 9-12
1.0 credit
LMS: ODY/EDG

Pre-Algebra, LMS: ODY
Pre-Algebra is an introductory algebra course designed to prepare junior-high school students for Algebra I. The course focuses on strengthening needed skills in problem solving, integers, equations, and graphing. Students will begin to see the "big picture" of mathematics and learn how numeric,

algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking. Students will be expected to: gain an increased awareness of how math is a life skill; understand how math is like a language, with a set of conventions; explore concepts taught in previous math courses at higher levels and in real world applications; practice algebraic thinking in order to model and solve real world problems; utilize new skills and concepts that will help them in future math courses; introduce variable expressions and equations (single and multiple variable); introduce linear functions, relationships between dependent and independent variables and coordinate graphing.

Pre-Algebra, LMS: EDG

This full-year course is designed for students who have completed a middle school mathematics sequence but are not yet algebra ready. This course reviews key algebra readiness skills from the middle grades and introduces basic Algebra I work with appropriate support. Students revisit concepts in numbers and operations, expressions and equations, ratios and proportions, and basic functions. By the end of the course, students are ready to begin a more formal high school Algebra I study

Pre-Algebra, LMS: Accelerate Education/Buzz

Pre-Algebra A will help students move from the world of simple mathematics to the exciting world of Algebra and Geometry. They will develop skills that will be necessary throughout their life. Students will stretch their thinking by learning to solve real world problems. Learning math and algebra concepts can be fun. Abstract ideas can be challenging for many students, but the challenge is one they can meet. Concepts are presented with a little humor, making the learning fun. Students will enjoy learning each new concept and develop a deeper understanding of the math skills they already have. Each concept is presented using examples of the skills, concepts, and strategies students will need. Scaffolding of ideas is provided to ensure student learning. The course is offered in a six-unit format containing 5 lessons each for a total of 30 lessons. Students will study text pages, watch videos, interact with flash presentations, and complete practice problems. The pace is controlled by the student and reviewing the material is encouraged. Pre-Algebra B will continue to move students into the exciting world of the unknown, Algebra. Building on what they have learned in mathematics and Pre-Algebra, students will expand their skills. They will be introduced to increasingly abstract concepts. Pre-Algebra B will provide the student with a concrete understanding of the basics for algebraic thinking. With numerous hands-on activities and demonstration videos, they will have multiple opportunities to enhance their process solving skills. Students will be given different assessment opportunities to demonstrate mastery of each skill. The course is offered in a six-unit format containing 5 lessons each for a total of 30 lessons. Students will study text pages, watch videos, interact with flash presentations, and complete practice problems. The pace is controlled by the student and reviewing the material is encouraged.

Developmental Algebra, LMS: ODY

This course is designed for the student who needs Algebra I concepts taught at a slower pace and will allow the student to complete half of Algebra I over the course of a full year. Within the Developmental Algebra course, the student will explore basic algebraic fundamentals such as evaluating, creating, solving and graphing linear, quadratic, and polynomial functions. BVA recommends that the students taking this course take Continuing Algebra the following year to complete all content for Algebra I.

Algebra I, LMS: ODY

Algebra I is a full year, high school credit course that is intended for the student who has successfully mastered the core algebraic concepts covered in the prerequisite course, Pre-Algebra. Within the Algebra I course, the student will explore basic algebraic fundamentals such as evaluating, creating, solving and graphing linear, quadratic, and polynomial functions.

Algebra I, LMS: EDG

This full-year course focuses on five critical areas: relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, expressions and equations, and quadratic functions and modeling. This course builds on the foundation set in middle grades by deepening students' understanding of linear and exponential functions and developing fluency in writing and solving one-variable equations and inequalities. Students will interpret, analyze, compare, and contrast functions that are represented numerically, tabularly, graphically, and algebraically. Quantitative reasoning is a common thread throughout the course as students use algebra to represent quantities and the relationships among those quantities in a variety of ways. Standards of mathematical practice and process are embedded throughout the course, as students make sense of problem situations, solve novel problems, reason abstractly, and think critically.

Algebra I, LMS: Accelerate Education/Buzz

Algebra 1 (semester A) introduces students to the world of Algebra through expressions and equations. Students will evaluate algebraic expressions, solve linear equations and graph them. This course also steers students through various real-world scenarios with the emphasis on using basic statistics to interpret the information given and found. Students learn through online lesson materials, videos and interactive activities. The end of each unit tests students' understanding with a self-check quiz with feedback. Also included is a unit exam and project for students to apply what they have learned. Teacher feedback is provided throughout the semester.

Algebra 1 (semester B) builds on the concepts learned in the first semester by providing a strong foundation in solving problems. Students will work with problems and applications that involve exponents, quadratic equations, polynomials and factoring methods, rational and radical equations, data analysis and probability. Students will interact with course materials through online lessons, videos, interactive questions and real-world applications. Each unit ends with a self-check quiz to confirm knowledge of the concepts learned. There is also a unit exam and project. Teacher feedback is given throughout the course.

Algebra II, LMS: ODY

Algebra II is a full-year, high school math course intended for the student who has successfully completed the prerequisite course Algebra I. This course focuses on algebraic techniques and methods in order to develop student understanding of advanced number theory, concepts involving linear, quadratic and polynomial functions, and pre-calculus theories. This course also integrates geometric concepts and skills throughout the units, as well as introducing students to basic trigonometric identities and problem solving.

Algebra II, LMS: EDG

This course focuses on functions, polynomials, periodic phenomena, and collecting and analyzing data. The course begins with a review of linear and quadratic functions to solidify a foundation for learning these new functions. Students make connections between verbal, numeric, algebraic, and graphical representations of functions and apply this knowledge as they create equations and inequalities that can be used to model and solve mathematical and real-world problems. As students refine and expand their algebraic skills, they will draw analogies among the operations and field properties of real numbers and those of complex numbers and algebraic expressions. Mathematical practices and habits of mind are embedded throughout the course, as students solve novel problems, reason abstractly, and think critically.

Geometry, LMS: ODY

Geometry is a full year, high school math course for the student who has successfully completed the prerequisite course, Algebra I. The course focuses on the skills and methods of linear, quadratic, coordinate, and plane geometry. In it, students will gain solid experience with geometric calculations and coordinate plane graphing, methods of formal proof, and techniques of construction.

Geometry, LMS: EDG

This course formalizes what students learned about geometry in the middle grades with a focus on reasoning and making mathematical arguments. Mathematical reasoning is introduced with a study of triangle congruence, including exposure to formal proofs and geometric constructions. Then students extend what they have learned to other essential triangle concepts, including similarity, right-triangle trigonometry, and the laws of sines and cosines. Moving on to other shapes, students justify and derive various formulas for circumference, area, and volume, as well as cross-sections of solids and rotations of two-dimensional objects. Students then make important connections between geometry and algebra, including special triangles, slopes of parallel and perpendicular lines, and parabolas in the coordinate plane, before delving into an in-depth investigation of the geometry of circles. The course closes with a study of set theory and probability, as students apply theoretical and experimental probability to make decisions informed by data analysis.

Consumer Math, LMS: ODY

Consumer Math is an introduction to the many ways in which math can be used in everyday life. The course gives practical advice on how to handle situations that involve money and math principles. Consumer Math focuses on the basic skills and methods of arithmetic and provides students the opportunity to develop experience with algebraic techniques of evaluating variables and equations, including geometric formulas and interest equations. Students will also be introduced to topics in statistics.

Trigonometry/Algebra III, Grades 11-12, LMS: ODY

Trigonometry is a five-unit elective course for high school students who have successfully completed Algebra I, Geometry, and Algebra II. The materials cover a development of trigonometry from right triangle trigonometry to oblique triangles and the polar plane. Throughout the course, students will develop trigonometric formulas and use them in real-world applications, evaluate trigonometric proofs using complex trigonometric identities and solving trigonometric equations with regard to the unit circle.

Math Concepts, Grades 11-12, LMS: ODY

Math Concepts provides a review of fundamentals as well as real-world skills with mathematics designed for students who wish to strengthen their basic math skills. This course reviews the fundamental concepts of Pre-Algebra, Algebra I, and Geometry such as operations with fractions, decimals, and percent's, solving equations, linear functions, polynomials, polygons, perimeter, area, and volume. Keystone Remediation Available. **This is an Academic level course and would not be NCAA approved. Prerequisite: Passing grade in Algebra 1 and Geometry.*

Pre-Calculus, Grade 12, LMS: ODY

Pre-calculus is a full-year, high school credit course that is intended for the student who has successfully mastered the core algebraic and conceptual geometric concepts covered in the prerequisite courses: Algebra I, Geometry, and Algebra II. The course primarily focuses on the skills and methods of analytic geometry and trigonometry while investigating further relationships in functions, probability, number theory, limits, and the introduction of derivatives.

Pre-Calculus, Grade 12, LMS: EDG

With an emphasis on function families and their representations, Pre-Calculus is a thoughtful introduction to advanced studies leading to Calculus. The course briefly reviews linear equations, inequalities, and systems and moves purposefully into the study of functions. Students then discover the nature of graphs and deepen their understanding of polynomial, rational, exponential, and logarithmic functions. Scaffolding rigorous content with clear instruction, the course leads students through an advanced study of trigonometric functions, matrices, and vectors. The course concludes with a short study of probability and statistics

Calculus, Grade 12, LMS: Edmentum:

This course provides a comprehensive survey of differential and integral calculus concepts, including limits, derivative and integral computation, linearization, Riemann sums, the fundamental theorem of calculus, and differential equations. Content is presented across ten units and covers various applications, including graph analysis, linear motion, average value, area, volume, and growth and decay models. In this course, students use an online textbook, which supplements the instruction they receive and provides additional opportunities to practice using the content they've learned. Students will use an embedded graphing calculator applet (GCalc) for their work on this course; the software for the applet can be downloaded at no charge.

Science

Grades 9-12
1.0 credit
LMS: ACC. ED, eDynamic, ODY

General Science, Grade 9, LMS: ODY

General Science 900 is a basic intermediate course intended to expose students to the designs and patterns in the physical universe. This course expands on science 700 and 800. Some of the areas covered in General Science 900 include the structure of matter, atomic nuclei and radioactivity, geology, oceanography, astronomy, microbiology, disease and medicine, and science today and tomorrow. Students at this level should show development in their ability and understanding of scientific inquiry. Some of the units contain experiments and projects that seek to develop meaning

and actively engage the students. The continued exposure to science concepts and scientific inquiry will serve to improve the students' skill and understanding.

Biology, Grades 9-11, LMS: ODY
Biology is intended to expose students to the designs and patterns of living organisms and their interactions with the environment. In preceding years, students should have developed a foundational understanding of life sciences. Expanding on that, this Biology course will incorporate more abstract knowledge. The student's understanding should encompass both the micro and macro aspects of life, and this biology course includes both. The major concepts covered are taxonomy, the chemical basis of life, cellular structure and function, genetics, microbiology, plant structure and function, animal structure and function, and ecology and the environment. Students at this level should show development in their understanding of scientific inquiry. The units contain experiments and projects that seek to develop a deeper conceptual meaning for students and that actively engage them. The continued exposure of science concepts and scientific inquiry will serve to improve the students' skills and understanding. Biology should be preceded or accompanied by an Algebra I course.

Biology, Grades 9-11, LMS: EDG
This compelling two-semester course engages students in the study of life and living organisms and examines biology and biochemistry in the real world. This is a yearlong course that encompasses traditional concepts in biology and encourages exploration of new discoveries in this field of science. The components include biochemistry, cell biology, cell processes, heredity and reproduction, the evolution of life, taxonomy, human body systems, and ecology. This course includes both hands-on wet labs and virtual lab options.

Biology, Grades 9-11, LMS: ACC. ED
Biology A introduces students to the scientific method and the major concepts of biology from an historical and practical viewpoint. The three major themes of this course are the cell, the molecular basis of heredity, and the interdependence of organisms. Students who take this class will have a deeper appreciation for the complexities of living organisms. Life on this planet, unlike anywhere else in the observable universe, is complex and highly organized. Whether examining life on the molecular or the planetary level, it exhibits a highly organized structure that inspires awe by its genius and complexity. In the last 50 years, discoveries have launched new branches of biology that have transformed the daily routine, from conception to death. New challenges await, such as the current crisis in ecology, global warming, and the resurgence in viral disease. To make rational choices in the 21st century, the citizen must have a basic understanding of biological concepts and the reasoning behind them. Biology A is presented in a multimedia format using interactive modules, labs, narrated animation, text, and videos to present the study of life on this planet. Students work through and complete several self-check activities and quizzes for practice and participate in self-reflection. In each unit, students complete the unit exam and deliver a unit project. Teacher feedback is provided throughout the course. Biology B is a continuation of the basic course in biology, Biology A. The major concepts covered are population dynamics and evolution. Students explore population dynamics through the study of mutualism, predation, parasitism, and competition. The theory of evolution is presented, along with the many evidences and details that make evolution the backbone of modern biology. From biochemistry to evolution, biology fascinates people. Biochemists first astounded the world by showing that life obeys the same chemical

principles as all creation, but that life engineers chemistry to its own needs. Decades later, Darwin shocked the world by suggesting that life evolves according to the conditions of the environment it inhabits. Evolution, often debated and derided, has survived to become a key concept of biology. This second course in biology examines the wonder of life and its mechanisms. Students work through and complete several self-check activities and quizzes for practice and participate in self-reflection. In each unit, students complete the unit exam and deliver a unit project. Teacher feedback is provided throughout the course.

Earth & Space Science, Grades 9-11, LMS: ODY

Odysseyware® designed Earth & Space Science as a basic course to further explore the designs and patterns of our planet. This course covers such areas as the origin, history, and structure of the earth, forces that cause change on the earth, and features of the earth including the crust, water, atmosphere, weather, and climate. It wraps up with astronomy and a study of all the planets, the solar system, and galaxies. The course strives to teach that each feature of the earth interacts with the others in many critical ways, and the study of these relationships is important to humanity.

Anatomy and Physiology A & B, Grades 10-12, LMS: ACC. ED

The aim of this course is to expand upon what was learned in your Biology class, while emphasizing the application of this material to human structures and functions. This course begins the study of human beings at the microscopic level and works its way up to an in-depth study of select organ systems. Special emphasis will be placed upon applying and demonstrating the information learned in this course through, not only tests and quizzes, but through special projects and collaboration as well.

Part B is designed to give the student an understanding of how structure and function are related in the human body. The student will study the human body from the cellular level to the organ system level. All of the major body systems will be studied in great detail. Additionally, biochemistry, cell biology, histology, biotechnology, bioethics, and pathology will also be studied. This course is highly recommended for students seeking a career in science or a health-related profession.

Chemistry, Grades 11-12, LMS: ODY

Chemistry is intended to provide a more in-depth study of matter and its interactions. In preceding years students should have developed an understanding for the macroscopic properties of substances and been introduced to the microstructure of substances. This chemistry course will expand upon that knowledge, further develop the microstructure of substances and teach the symbolic and mathematical world of formulas, equations, and symbols. The major concepts covered are measurement in chemistry, atomic structure, chemical formulas and bonding, chemical reactions, stoichiometry, gases, chemical equilibrium, and organic chemistry. Students at this level should show development in their ability and understanding of scientific inquiry. The units contain experiments and projects that seek to develop a deeper conceptual meaning for the student and actively engage the student. The continued exposure of science concepts and scientific inquiry will serve to improve the student's skill and understanding. Chemistry should be preceded by an Algebra I course and preceded or accompanied by an Algebra II course.

Chemistry, Grades 11-12, LMS: EDG

This rigorous, full-year course engages students in the study of the composition, properties, changes, and interactions of matter. The course covers the basic concepts of chemistry and includes

eighteen virtual laboratory experiments that encourage higher-order thinking applications, with wet lab options if preferred. The components of this course include chemistry and its methods, the composition and properties of matter, changes and interactions of matter, factors affecting the interactions of matter, electrochemistry, organic chemistry, biochemistry, nuclear chemistry, mathematical applications, and applications of chemistry in the real world.

Chemistry, Grades 11-12, LMS: ACC. ED
In this course, students will discover what chemistry is, and how it is used and found all around us. The importance of the scientific method to solve real world problems will be investigated. Knowledge will be gained in the following areas: types of matter, atomic structure, chemical periodicity, chemical formula writing and naming, chemical equations. This course will also stress the important relationship between math and science while studying measurement, metric system and stoichiometry. Students will use higher order thinking throughout the entire course. An algebra background is recommended because of the amount and type of math involved. It follows the Chemistry 1 A course. In Chemistry 1 B, students will investigate chemical bonding, thermochemistry, and acids and bases. The importance of the scientific method to solve real world problems will be investigated. Knowledge will be gained in the following areas: organic chemistry, biochemistry, and nuclear chemistry. This course will also stress the important relationship between math and science. Students will use higher order thinking throughout the entire course. An algebra background is recommended because of the amount and type of math involved.

Environmental Science, Grade 12, LMS: ODY
Environmental Science is an interdisciplinary course covering a wide variety of topics including biology, physics, geology, ecology, chemistry, geography, astronomy, meteorology, oceanography, and engineering. The course also considers ways in which human populations affect our planet and its processes. Of special emphasis is the concept of sustainability as a means of using resources in a way that ensures they will always be around us.

Science
Grades 10-12
0.5 credits
LMS: ACC. ED, eDynamic

Anatomy and Physiology 1a: Introduction, LMS: eDyn
Increase your students' understanding about the form and function of the human body! Starting with the relationship between anatomy and physiology, students will then learn about cell structure and their processes. Learners will also discover the functions and purposes of the skeletal, muscular, nervous, and cardiovascular systems, as well as diseases that affect those systems. Focusing on terminology, this course is essential to students pursuing the health sciences or wanting to gain a greater sense of how the human body works. **Additional Materials Required*

Anatomy and Physiology 1b: Discovering Form and Function, Grades 10-12, LMS: eDyn
Building on the prior prerequisite course, students will examine the form and function of even more body systems. Students will learn about the structure, function, and interrelation between the lymphatic, immune, respiratory, digestive, urinary, and the endocrine systems. The reproductive system is also discussed along with hereditary traits and genetics. Finally, students will explore the

importance of accurate patient documentation as well as technology used in the industry.
**Additional Materials Required*

Marine Science, Grades 10-12, LMS: ACC. ED
About 70% of the Earth is covered by water. Even today, much of the world's oceans remain unexplored. Marine scientists make exciting new discoveries about marine life every day. In this course, students will discover the vast network of life that exists beneath the ocean's surface and study the impact that humans have on the oceans.

Paleontology, Grades 10-12, LMS: ACC. ED
From Godzilla to Jurassic Park, dinosaurs continue to captivate us. In this course, students will learn about the fascinating creatures both large and small that roamed the earth before modern man. Watch interesting videos from experts at The Royal Tyrrell Museum, a leading paleontology research facility, and discover how the field of paleontology continues to provide amazing insight into early life on earth.

Renewable Energy, Grades 10-12, LMS: ACC. ED
The earth's population is growing rapidly, and we need to find new, innovative ways to ensure that we are able to provide for our global energy needs. Students will look at the reasons why sustainability is important, take a balanced and evidence-based look at climate change, and learn new ways that we can harness renewable resources.

Space Exploration, Grades 10-12, LMS: ACC. ED
In 1961, Yuri Gagarin became the first human to go to space. In 1969, Neil Armstrong became the first human to step on the moon. This comprehensive course will examine the history and future of space travel. Find out how we have put people in space in the past, and what it will take for us to reach new frontiers, including Mars and beyond.

Health/PE
Grades 9-12
0.5 Credit
LMS: ACC. ED, EDG, ODY

Intro to Fitness, LMS: ODY
Odysseyware® Physical Fitness is a semester-length elective designed for high school students. The course focuses on the health benefits of regular physical activity and of a long-term exercise program. As students work through the course, they will learn about the many aspects of physical fitness, including basic nutrition, the importance of flexibility, cardiovascular health, muscle and strength training, and realistic goal setting. Along the way, students will be required to maintain and submit an activity log in order to measure progress in course exercises, as well as in personal fitness goals. Students will analyze the key components of successful physical activity and use this analysis to determine if a program is reasonable and effective; describe the three main types of physical activity that should be included in a exercise regimen and the health benefits of each; perform basic fitness exercises associated with the three main types of physical activity discussed in this course; and identify the main motivational strategies that can be used to help the student continue in positive fitness habits once this course is completed.

Physical Education, LMS: ODY

Physical Education is a semester-long elective designed for high school students. The course focuses on performance of individual and team sports, with explanations of proper technique, rules of the game, and preparation. Team sports introduced include soccer, basketball, football, baseball, and volleyball. An introduction to fitness, strength, endurance, and nutrition is also included. Students will have the opportunity to perform each sport on their own time, while keeping a log of activity. The goal is incorporation of activity into their daily lives and the gain of lifelong healthy fitness habits. Throughout the course, students may be asked to answer questions or to reflect on what they've read in their notes. The notes are not graded. Rather, they are a way for students to extend their thinking about the lesson content. Students may keep handwritten or typed notes.

Lifetime Fitness, LMS: EDG

A one-semester course that combines comprehensive online instruction with student participation in fitness activities. Throughout the course, students assess individual fitness levels according to the five components of physical fitness: cardiovascular health, muscular strength, muscular endurance, flexibility, and body composition. Through the application of personal fitness assessments, students will design a fitness program to meet their individual fitness goals. Upon completion of the course, students will have the knowledge and skill sets to stay fit and active throughout their lifetime. Areas to be explored: safe exercising and injury prevention; cardiovascular fitness; muscular health, flexibility; nutrition and weight management; lifetime fitness; consumer product evaluation; team and individual sports.

Sport Fitness, LMS: ODY

This semester-long elective is designed for middle school students. The course focuses on performance of individual and team sports, with explanations of proper technique, rules of the game or activity, preparation, and good sportsmanship. Team sports include, but are not limited to, soccer, basketball, football, baseball, and volleyball. The content will assist students in the integration of skill-related fitness, and training and nutrition concepts. Students will have the opportunity to perform each sport on their own time, while keeping a log of activity. The goal is incorporation of activity into their daily lives and the gain of lifelong healthy fitness habits.

Personal Fitness, LMS: ACC ED

In this course, students are introduced to exercise and physical fitness and the general recommendations for physical activity, while examining the benefits of exercise, lifestyle choices that can help prevent disease, and tips for kick-starting a healthier lifestyle. Students will explore each type of fitness, include the benefits, and the federal guidelines for exercise in detail. Students will also learn about bones and joints and the functions of the skeleton, and the different types of movements that occur at various joints. Students will learn about the different types of muscle in their bodies, and how they are structured, with particular attention to the different types of muscle fibers. Students will explore the functions that muscles perform, how they work, and their interaction with the central nervous system and special considerations for safe and effective exercise.

Students will learn how the cardio and respiratory systems work and interact with each other and about the different blood vessels that make up the circulatory (vascular) system. Students will learn about the body’s energy systems and how eating and drinking relates to exercise. Finally, students will learn about the psychology of exercising.

Personal Fitness, LMS: eDynamic
What does being fit really mean? Is it just based on physical appearance or is it something deeper? Though we strive to be healthy and make sensible choices, it's difficult to know how to achieve this. It's not only about losing weight or lifting a heavy barbell; in Personal Fitness you will learn about body functions, safety, diet, goals, and strategies for longevity. Human beings, in both body and mind, are complex and highly sensitive organisms that need the right attention to physically excel and feel great. Being fit is about living life to the fullest and making the most of what you have yourself! Explore the world of healthy living and see how real fitness can be achieved through intention, effort, and just the right amount of knowledge.

Physical & Mental Health, LMS: ODY
This course focuses on aspects revolving around physical and mental well-being, throughout this course, students will learn about the inner workings of each body system, which will serve as a basis of knowledge for subsequent units. Additionally, students will learn what healthy food is and how to make healthy nutritional choices. In keeping the body healthy, mental health is considered. The course will cover what mental and emotional health are and how to remain socially healthy. The final unit of the course discusses responsible living as it pertains to disease and drugs. Each unit and lesson in this course are designed to fully encompass health and increase students' awareness of the daily choices they make.

Growth and Development, LMS: ODY
This course focuses on humans over the lifespan, as well as careers that help people deal with various physical, intellectual, and social emotional issues, such as physicians, nurses, nutritionists, substance abuse counselors, clergy, teachers, career counselors, psychologists, and psychiatrists. This course is important because it gives the student a background in human growth and development from birth, through childhood, into adulthood, and through death and grief. It gives the student perspective and highlights where people in the caring professions are most needed.

Health & Safety, LMS: ODY
A science elective course introducing students to what good health is, why good health is important, and what students should do to achieve good health. Upon completion of the course, students will: demonstrate an awareness of health as it applies to their living environments; identify the components of a healthy lifestyle and set reasonable goals to achieve a lifestyle of wellness; understand that incorporating sound health practices creates a lifestyle of moderation and wellness; understand the responsibility of properly caring for their bodies; and describe health as it applies to broader society, the world, and their own responsibility to stimulate good health around them.

Child Development, LMS: ACC. ED
This course is designed to help prepare students for their responsibilities as parents and caregivers of children. Topics include prenatal care, growth and development through age six, teen pregnancy, maternal health, parenting skills, and child guidance.

Social Studies
Grades 9-12
1.0 Credit
LMS: ODY, EDG

General History 900, Grade 9, LMS: ODY

General History 900 focuses on American life, with an emphasis on government and citizenship. Additionally, the course covers ancient civilizations, personal responsibility, and global geography, with special emphasis on the regions of the world. These areas of focus target upon four major content strands: History, Geography, Government and Citizenship, and Social Studies Skills. Additionally, students will gain practice in report-writing, covering topics like the breakup of the USSR, the growth of the United States, and elected leaders (senators and representatives).

American History I, Grades 9-10, LMS: ODY

Odysseyware® U.S. History Foundations to Present covers early American exploration to the present day, placing special emphasis on the politics of the 18th and early 19th centuries and the Civil War. These areas of focus target three major content strands: History, Geography, and Government, and Citizenship. Additionally, students will gain practice in writing essays and reports, covering topics like the Monroe Doctrine, the states' rights debate, the Lincoln- Douglas debates, isolationism, the New Deal, and the Korean conflict.

American History I, Grades 9-10, LMS: EDG

American History I is a yearlong course that dynamically explores the people, places, and events that shaped early United States history. This course stretches from the Era of Exploration through the Industrial Revolution, leading students through a careful examination of the defining moments that shaped the nation of today. Students begin by exploring the colonization of the New World and examining the foundations of colonial society. As they study the early history of the United States, students will learn critical-thinking skills by examining the constitutional foundations of U.S. government. Recurring themes such as territorial expansion, the rise of industrialization, and the significance of slavery will be examined in the context of how these issues contributed to the Civil War and Reconstruction.

American History II, Grades 9-11, LMS: ODY

Odysseyware® American History II examines American history from the Civil War to the present day, placing special emphasis on the major political, economic, and social movements of the twentieth century. Students will explain the causes of sectionalism in the years leading up to the Civil War and be able to identify the major battles of the Civil War and their outcomes. Students will also describe the goals and results of Reconstruction policies; describe conditions in the United States at the turn of the twentieth century, including the effects of industrialization, immigration, and urbanization; explain the factors influencing U.S. expansionism in the early twentieth century; describe the reform movements of the Progressive Era; summarize U.S. involvement in World War I; describe the causes of the Great Depression; explain the long-term effects of the New Deal on American society; identify the major events of World War II; identify the origins of the Cold War and U.S. efforts to contain the spread of Communism; summarize the goals of the civil rights, countercultural, and women's movements; describe U.S. foreign policy in the post-Cold War era; and understand the key challenges facing American society in the late twentieth and early twenty-first centuries. *NCAA Approved

American History II, Grades 9-11, LMS: EDG

(EDG) American History II is a yearlong course that examines the major events and turning points of U.S. history from the Industrial Revolution through the modern age. The course leads students toward a clearer understanding of the patterns, processes, and people that have shaped U.S.

history. As students' progress through each era of modern U.S. history, they will study the impact of dynamic leadership and economic and political change on our country's rise to global prominence, the influence of social and political movements on societal change, and the importance of modern cultural and political developments. Recurring themes lead students to draw connections between the past and the present, between cultures, and between multiple perspectives.

African American History, Grades 9-12, LMS: Buzz
BVA's African American History course takes students on a journey from pre-slavery to the present. Students will learn about the slave trade and the impact that the Underground Railroad had on the freedom of African Americans. Students will analyze the importance of the Civil War and the "freedom" established by the Jim Crow laws that led to the Civil Right Movement. The course continues to study that freedom from oppression is not found overnight, and students will learn about prominent activists like Martin Luther King and Malcom X. Finally, students will study the impact of African Americans on the culture and traditions of the United States of America.

World History, Grades 10-12, LMS: ODY
Odysseyware® World History explores the people, events, and ideas that have shaped history from the beginnings of human society to the present day. Student goals for this course include being able to identify the characteristics of early human communities; describe the early river valley civilizations in Mesopotamia, Egypt, India, and China; describe the emergence of empires; explain the effects of the European exploration and colonization of the New World; identify the causes and outcomes of the political revolutions in France, Russia, and China; identify the characteristics of the Industrial Revolution; describe European Imperialism in Asia and Africa; compare and contrast the causes and results of the World Wars; understand the major events of the Cold War; describe the major issues affecting nations today, including globalization, population growth, pandemics, and immigration; summarize the history and growth of the major religions; and identify patterns of trade and migration.*NCAA Approved

World History, Grades 10-12, LMS: EDG
This advanced study of world history combines historical thinking skills with the in-depth exploration of major course themes such as the interaction between humans and the environment; development and interaction of cultures; state-building, expansion, and interaction of economic systems; and more. Students engage in reading, writing, and discussion as they trace history from before the Common Era to the present.

World Geography & Cultures A & B, LMS ACC. ED
The students will be taught to use the basic skills of map reading and development, geographic technology, and the recognition of geographic themes to make sense of the world. The course examines world regions including the nations, people, and cultures of the Americas and Western Europe. This second-semester course continues to teach the basic skills of map reading and development, the use of geographic technology, and the recognition of geographic themes. The focus examines the world regions, including the nations, people, and cultures of Central Europe and Northern Eurasia, Central and Southwest Asia, South Asia, Africa, East Asia, and the Pacific.

High School Elective Courses

High School Career Focused Electives
Grades 9-12
0.5 Credit
LMS: ACC. ED, eDynamic, ODY

Economics, LMS: ODY
Odysseyware® will provide students a strong foundation in basic economic principles in this half-credit course. Students will examine topics such as scarcity, economic roles of individuals, organizations, and institutions, factors that affect supply and demand, different market structures, market regulation, and the macro economy. Lessons and projects encourage students to examine a variety of problems from the viewpoint of an economist.

Economics, LMS: EDG
Available as either a semester or a full year, this course invites students to broaden their understanding of how economic concepts apply to their everyday lives—including microeconomic and macroeconomic theory and the characteristics of mixed-market economies, the role of government in a free-enterprise system and the global economy, and personal finance strategies. Throughout the course, students apply critical-thinking skills while making practical economic choices. Students also master literacy skills through rigorous reading and writing activities. Students analyze data displays and write routinely and responsively in tasks and assignments that are based on scenarios, texts, activities, and examples. In more extensive, process-based writing lessons, students write full-length essays in informative and argumentative formats.

U.S. Government, LMS: ODY
Odysseyware® U. S. Government focuses on American and international governments. Students will learn about the history of governments, the characteristics of the United States government, political parties, and voting. These areas of focus target two major content strands: History, and Government and Citizenship. Additionally, students will gain practice in writing essays and reports, covering topics like elected officials and the Supreme Court.

Accounting, LMS: ACC. ED

In this semester course, you will explore accounting, including investigating accounting careers. You will learn basic accounting skills and procedures both with and without a computer for general journals, general ledgers, cash payments journals, cash receipts journals, sales journals, accounts payable ledgers, and accounts receivable ledgers. You will also learn how to reconcile a bank statement and to prepare payroll records. This course covers the basic principles of financial accounting for individuals and for companies with attention to both the mathematical formulas and to the ethical side of accounting. Each unit has practical exercises including a project at the end of the unit.

Business Law, LMS: ACC. ED

Students learn about the American legal system. They examine ethics, court systems, criminal law, and law of torts. They examine how the court systems work together, and what misconduct results in going to court. It is important to also understand your consumer rights. As they progress through the course, they will also gain an understanding from a business perspective what is right and wrong business actions and employment laws. As an employee or employer, it is important to understand the laws that protect the employee and employer. The study will focus on the formation of a business and the basic legal issues associated with each type of business.

Career Planning, LMS: ACC. ED

The Career Planning course guides students through the essential elements of the career planning process and the development of a defined career plan. Students will consider the many factors that impact career success and satisfaction. Using a process of investigation, research, and self-discovery, students will acquire the understandings critical to the career planning process. Upon completion of the course, students will have created a practical and comprehensive college or career transition portfolio that reflects their skills and abilities, as well as their interests, values, and goals.

Art Careers, Grades 11-12, LMS: ACC. ED

For every Broadway dancer, every television star, and every pop singer, there are countless people behind the scenes helping to make it happen. Arts Careers introduces students to the skills that are part of many fascinating careers in the arts. Studying the arts creates independent and innovative thinkers and many doors are open to an artist with the proper training. **Additional materials required*

Basic Web Design, LMS: ACC. ED

In this course, students will learn how to design a beautiful and functional website. Students will learn how to take their design and translate it into a live website using Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS) programing languages. HTML5 and CSS3 will be the standard versions used in the class. Students will understand design components of websites, including the use of color, layout and when to use different techniques, typography rules, and the importance of imagery. At the conclusion of the course, students will present a website to the class. Upon completion of this course, each student will have hands-on experience creating a fully functioning website. Students do not need to have a previous technical background with HTML or CSS prior to taking this course. **Additional materials required*

Computer Basics, LMS: ACC. ED
In this course you will learn how to use productivity and collaboration tools, such as G Suite by Google Cloud to create word processing documents, spreadsheets, surveys and forms such as personal budgets and invitations.

Digital Media, LMS: ACC. ED
In this course, students will learn basic principles of audio and video design and production. The concepts of understanding audience and copyright are used throughout the course. Students will learn to create a script for an audio production. They will also produce an audio project utilizing Audacity. For the video production portion of the course students will learn about the benefits of storyboards along with other pre-production, production, and post-production techniques. Students will create a 60 second video utilizing a web 2.0 editing tool called WeVideo. The course will culminate with the creation of an online digital portfolio that can be used to showcase the student's work to colleges or potential employers. **Additional materials required*

Digital Media Fundamentals 1a: Introduction, LMS: eDynamic
Discover your talent for building digital media applications using text, graphics, animations, sounds, videos, and more! Learn about the elements that make impressive media, such as typography, color theory, design, and manipulation. Explore careers to apply your digital media skills and find your place in this fast-paced and exciting field! **Additional materials required*

Digital Media Fundamentals 1b: Producing for the Web, LMS: eDynamic
Building on the prior prerequisite course, polish your digital media skills and learn all about web design. Incorporate your ideas into websites and dabble in the basics of marketing to understand how your work is used. Finally, explore the world of podcasts and audio editing to construct a solid foundation from which you can pursue a career! **Additional materials required*

Digital Photography, LMS: ACC.ED
Understanding the tools available opens the possibilities to create images with impact. In Digital Photography, students will study the history of photography as well as the basic operation of a digital camera. As they are introduced to different styles of photography and photographers, students will begin to develop artistic skills as well as their own voice through their photographs. **Digital camera or camera phone required*

Digital Photography 1a: Introduction, LMS: eDynamic
Have you wondered how professional photographers manage to capture that perfect image? Gain a better understanding of photography by exploring camera functions and the elements of composition while putting theory into practice by taking your own spectacular shots! Learn how to display your work for exhibitions and develop skills important for a career as a photographer. **Additional materials required*

Digital Photography 1b: Creating Images with Impact! LMS: eDynamic
Building on the prior prerequisite course, further develop your photography skills by learning more professional tips, tricks, and techniques to elevate your images. Explore various photographic styles, themes, genres, and artistic approaches. Learn more about photojournalism and how to bring you photos to life. Using this knowledge, build a portfolio of your work to pursue a career in this field! **Additional materials required*

Digital Photography 2: Discovering Your Creative Potential, LMS: eDynamic
In today's world, we are surrounded by images. We are continually seeing photographs as they appear in advertisements, on websites, in magazines, and on billboards; they even adorn our walls at home. While many of these images have been created by professional photographers, it is possible for your photos to take on a more professional look after you discover how to increase your creative potential. In Digital Photography II: Discovering Your Creative Potential, you will examine various aspects of the field including specialty areas, ethics, and famous photographers throughout history. You will also learn how to effectively critique photographs so you can better understand composition and go on to create more eye-catching photographs on your own.

Film and Television, LMS: ACC. ED
The culture of cinema and television tells a unique story of history and innovation. Students in Film and Television will be introduced to industry icons and stars of the big and small screen. By studying and writing about film and television, students will analyze trends in technology and culture and better understand how to be an informed viewer.

Financial Literacy, LMS: ACC. ED
This course is designed to help students budget, keep a checkbook and filing system, deal with debt and credit, and become wiser consumers. Students will learn how money and the dynamics surrounding it affect their relationships, their lifestyles, and their retirement.

Graphic Design, LMS: ACC. ED
Graphic Design is an introduction to elements of design, spatial relationships, typography and imagery as they apply to practical visual solutions for self-promotion, resumes, logo design, Web design, and sequential systems. In this course, the student explores the basic foundations of design through a series of visual projects that explore the principles and elements of design. Students will work both with analog and digital media as they explore two-dimensional and three-dimensional design along with color theory. This course will help develop and explore a student's ability to communicate visually. In each lesson students acquire new skills, which take some effort. Beyond fundamental skills are various levels of creativity. Each lesson provides room for a student to express the technical skill learned in his or her own creative way. Materials: scanner or camera so you can transmit photos/images of your finished work. **Additional materials required*

Health Careers, LMSL ACC. ED
In this course students explore a variety of career options related to the healthcare field, including medicine, nursing, physical therapy, pharmacy, dental careers, childcare, sports medicine, personal training, social work, psychology, and more. Students will learn about various options within each field, what each of these jobs' entails, and the education and knowledge required to be successful. In addition, they will focus on basic job skills and information that would aid them in health care and other career paths.

Intro to Business, LMS: ACC. ED
This course introduces students to the basic business concepts that will help them understand how a business survives in today's economy and the role that consumers play in the same economy. Students will learn how to balance a checkbook, save for the future, and use credit wisely. Students will also learn how to create a resume and how to participate in a job interview.

Intro to Java Programming, LMS: ACC. ED
Java is one of the most widely used computer languages in the world. This course will teach students Java by having them complete multiple projects, both in the console and user interface, including mad libs, player vs computer games, battleship, tic tac toe, picture shuffler and many more. This course is meant to give students lots of experience in Java by creating multiple stand-alone programs. This course assumes no coding experience with Java programming and includes self-graded quizzes and tests. **Students will need a Windows PC or Mac for this course; Chromebooks and tablets are not sufficient. Additional Materials required.*

Intro to Nursing, LMS: ACC. ED
This two-semester course introduces students to the field of nursing. In the first semester students will learn about the history and evolution of nursing, education and licensure requirements, career path options, and nursing responsibilities. Students will also focus on foundational information such as basic anatomy, physiology, medical terminology, pharmacology, first aid, and disease prevention. In semester two, students will examine various nursing theories, as well as focus on the nursing process, including assessment, diagnosis, and treatment options. Students will also learn about professional and legal standards and ethics. Additional skills of communication, teaching, time and stress management, patient safety, and crisis management will be included.

Javascript, LMS: ACC. ED
In this course, students will learn how to start programming with JavaScript. Students will learn the basics of JavaScript including testing, functions, objects, arrays, loops, conditional code, operators and syntax basics. Students will learn timing and animations, and how to debug. The class will conclude with a robust project that incorporates everything they learned in the semester. Students should have a working knowledge of HTML and CSS prior to taking this course. **Students will need a Windows PC or Mac for this course; Chromebooks and tablets are not sufficient. Additional Materials required.*

Journalism, LMS: ACC. ED
This course is designed to prepare you to become a student of journalism and media. The work we do here will equip you with the critical skills you must have to succeed in high school media, college media, and beyond. We will read a variety of journalistic material and do a great deal of news writing. We will also look at journalism from legal, ethical, and historic vantage points. Expect to complete numerous writing activities in a variety of styles including editorial, hard news, feature, review, and more. If you participate actively, you will gain tremendous skills that will serve you for the rest of your life. Individual and group project work will also be a part of this class. This course is a project-based course and does not include traditional tests. Unit level understanding is assessed through unit projects.

Journalism 1a: Introduction, LMS: eDynamic
Does your curiosity lead you to the heart of the matter? Channel this curiosity into developing strong writing, critical thinking, and research skills to perform interviews and write influential pieces, such as articles and blog posts. Learn about the evolution of journalism and its ethics, bias, and career directions to forge your path in this field.

Journalism 1b: Investigating the Truth, LMS: eDynamic
Journalists are asked to tell the world a story every single day—and their job is, to tell the truth. Learn how to choose a topic, structure your story, research facts, hone your observational skills, and write an article following journalism tradition. Go beyond the print world and discover how journalism can lead to exciting careers that will put you right in the action.

Media and Communication, LMS: ACC. ED
From banner ads to billboards, newspaper articles, and Facebook feeds, people are constantly sharing ideas. This course looks at the many facets of mass media. Students will learn how the media shapes every aspect of our lives. We examine the role of newspapers, books, magazines, radio, movies, television, and the growing influence of Facebook, YouTube, and Twitter.

Medical Terminology 1a: Introduction, LMS: eDynamic
Learning the language is essential for careers in health science. Join word parts to form medical terms, associations within body systems, and better communicate with colleagues and patients. Build your proficiency and confidence with this course and prepare yourself for a career in health sciences.

Medical Terminology 1b: Discovering Word Foundations, LMS: eDynamic
Adding on the prior prerequisite course, discover the medical terminology associated with even more body systems to increase your ability to master prefixes, suffixes, and roots. Connect this language to real world patients and clinical settings through practical applications and specific scenarios. Launch your health knowledge with detailed medical terms!

Medicine, Grades 9-12, LMS: ACC. ED
This course provides students with an introduction to healthcare, with emphasis on modern, clinical medicine. Students review basic human anatomy and physiology, then study major health concerns affecting people in the U.S. and the world. This comprehensive, 10-unit course examines such topics as infectious diseases, cancer, traumatic injuries, and healthcare career opportunities.

Photojournalism, LMS: ACC. ED
A powerful image can tell an eloquent story without words. Students in Photojournalism will be introduced to some of the pioneers who set the standards for this unique way of storytelling. As they study the principal types of photojournalism and the ethical responsibilities a photojournalist has behind the lens, students will develop their own storytelling skills through their writing and their photographs. **Digital camera required*

Python Multi Player Adventure, LMS: ACC. ED
Python is a powerful language designed to do just about anything! This course allows students to learn Python by first completing a text-based console game and then turning it into a multiplayer adventure! Students will not only learn Python from going through the individual lessons and video reviews but also understand a client server relationship. They will get to code in their own python web server that allows connections through a browser. Students will gain experience using variables, classes, functions, lists, dictionaries, generators and proper Python formatting. This is a great course for anyone interested in preparing themselves for future coding classes. This course assumes no coding experience and includes self-graded quizzes and tests. *Students will need a Windows PC or Mac for this course; Chromebooks and tablets are not sufficient.

Liberal Arts
Grades 9-12
0.5 Credit
LMS: ACC. ED, eDynamic, ODY

Art Appreciation, LMS: ACC. ED
What makes an artwork a masterpiece? Why do artists create art? What is the difference between Rococo and Art Nouveau? In this course, students will discover the answers to these questions and more. We examine the elements of art and principles of design and explore how artists have used these elements and principles in the creation of art for centuries.

Drawing, LMS: ACC. ED
In Basic Drawing, students will experiment with several different art materials and tools to see what each tool can do best. Students will explore ordinary things around them to become more observant of the structures and meanings of things which can be seen in their home and community. Your work will be your own study of the forms, textures, movements, and patterns of the things that you see every day. Each project and each lesson is based on the one before it; so always do the lessons in the order they are given. Be sure to follow the directions exactly regarding which materials, sizes, and subject matter to use for each project. Each lesson will be a study of a new way of drawing. The examples given will show only the method and materials to be used, never the same subject or size as the project assigned. The examples are never to be copied. An example will only show one way of using the technique described. By becoming more observant, by experimenting with new materials, and by exploring a variety of methods, students will continue to grow in artistic skill and enjoyment. Beyond fundamental skills are various levels of creativity. Each lesson provides room for expressing the technical skill learned in a unique, creative way. **Additional materials required*

Beginning Painting, LMS: ACC. ED
This course introduces students to classical and contemporary painting, techniques and concepts, with emphasis on the understanding of its formal language and the fundamentals of artistic expression. Painting from still life, landscape, and life models from observation will be geared towards realism; at the same time, various other painting styles could be explored. Color theory, linear perspective, compositional structure, figure/ground relationships, visual perception, spatial concepts, and critical thinking skills will all be emphasized. Students will study and research major painting styles and movements in historical context. The hope is that students will use this global approach to develop a “critical eye” in evaluation of contemporary painting. Acrylic and watercolors

are the mediums used in this class. The main emphasis of this course is to encourage and nourish individuality and creativity. **Additional materials required.*

Digital Photography, LMS: ACC. ED
Understanding the tools available opens the possibilities to create images with impact. In Digital Photography, students will study the history of photography as well as the basic operation of a digital camera. As they are introduced to different styles of photography and photographers, students will begin to develop artistic skills as well as their own voice through their photographs. **Digital camera or camera phone required Paper, scissors, glue, and access to photo manipulation software also required.*

Digital Photography 1a: Introduction, LMS: eDynamic
Have you wondered how professional photographers manage to capture that perfect image? Gain a better understanding of photography by exploring camera functions and the elements of composition while putting theory into practice by taking your own spectacular shots! Learn how to display your work for exhibitions and develop skills important for a career as a photographer. **Additional materials required*

Digital Photography 1b: Creating Images with Impact! LMS: eDynamic
Let's further develop your photography skills by learning more professional tips, tricks, and techniques to elevate your images. Explore various photographic styles, themes, genres, and artistic approaches. Learn more about photojournalism and how to bring your photos to life, and using this knowledge, build a portfolio of your work to pursue a career in this field! **Additional materials required.*

Digital Photography 2: Discovering Your Creative Potential, LMS: eDynamic
In today's world, we are surrounded by images. We are continually seeing photographs as they appear in advertisements, on websites, in magazines, and on billboards; they even adorn our walls at home. While many of these images have been created by professional photographers, it is possible for your photos to take on a more professional look after you discover how to increase your creative potential. In Digital Photography II: Discovering Your Creative Potential, you will examine various aspects of the field including specialty areas, ethics, and famous photographers throughout history. You will also learn how to effectively critique photographs so you can better understand composition and go on to create more eye-catching photographs on your own. **Additional materials required.*

Music Appreciation: The Enjoyment of Listening, LMS: eDynamic
Have you ever heard a piece of music that made you want to get up and dance? Cry your heart out? Sing at the top of your lungs? Whether pop, classical, or anything in between, music provides a powerful way for people to celebrate their humanity and connect with something larger than themselves. Music Appreciation: The Enjoyment of Listening not only will provide a historical perspective on music from the Middle Ages to the 21st century, but it will also teach you the essentials of how to listen and really hear (with a knowledgeable ear) the different music that's all around you. Learning how to truly appreciate sound and melody is the best way to ensure a continued love of this delightful art form.

Music Appreciation, LMS: ACC. ED
Students will gain a thorough understanding of music by studying the elements of music, musical

instruments, and music history, as well as music advocacy. Students will be introduced to the orchestra and composers from around the world. They will be required to be a composer, performer, instrument inventor, and advocate.

Introduction to Women's Studies: A Personal Journey Through Film, LMS: eDynamic
This course, although looking specifically at the experiences of women, is not for girls only. If you are a student interested in exploring the world through film and open minded enough to be interested in social change, this course is for you. **This course requires an additional fee.*

Journalism, LMS: ACC. ED
This course is designed to prepare you to become a student of journalism and media. The work we do here will equip you with the critical skills you must have to succeed in high school media, college media, and beyond. We will read a variety of journalistic material and do a great deal of news writing. We will also look at journalism from legal, ethical, and historic vantage points. Expect to complete numerous writing activities in a variety of styles including editorial, hard news, feature, review, and more. If you participate actively, you will gain tremendous skills that will serve you for the rest of your life. Individual and group project work will also be a part of this class. This course is a project-based course and does not include traditional tests. Unit level understanding is assessed through unit projects.

Journalism 1a: Introduction, LMS: eDynamic
Does your curiosity lead you to the heart of the matter? Channel this curiosity into developing strong writing, critical thinking, and research skills to perform interviews and write influential pieces, such as articles and blog posts. Learn about the evolution of journalism and its ethics, bias, and career directions to forge your path in this field.

Journalism 1b: Investigating the Truth, LMS: eDynamic
Journalists are asked to tell the world a story every single day—and their job is, to tell the truth. Learn how to choose a topic, structure your story, research facts, hone your observational skills, and write an article following journalism tradition. Go beyond the print world and discover how journalism can lead to exciting careers that will put you right in the action.

Mythology and Folklore: Legendary Tales, LMS: eDynamic
Mighty heroes. Angry gods and goddesses. Cunning animals. Since the first people gathered around fires, mythology and folklore has been used as a way to make sense of humankind and our world. Beginning with an overview of mythology and different kinds of folklore, students will journey with ancient heroes as they slay dragons and outwit gods, follow fearless warrior women into battle, and watch as clever monsters outwit those stronger than themselves. They will explore the universality and social significance of myths and folklore and see how these are still used to shape society today.

Philosophy: The Big Picture, LMS: eDynamic
This course will take you on an exciting adventure that covers more than 2,500 years of history! Along the way, you'll run into some very strange characters. For example, you'll read about a man who hung out on street corners, barefoot and dirty, pestering everyone he met with questions. You'll learn about another eccentric who climbed inside a stove to think about whether he existed. Despite their odd behavior, these and other philosophers of the Western world are among the most

brilliant and influential thinkers of all time. As you learn about these great thinkers, you'll come to see how and where many of the most fundamental ideas of Western Civilization originated. You'll also get a chance to ask yourself some of the same questions these great thinkers pondered. By the time you've "closed the book" on this course, you will better understand yourself and the world around you…from atoms to outer space…and everything in between.

Public Speaking 1A: Introduction, LMS: eDynamic
The art of public speaking is one which underpins the very foundations of Western society. This course examines those foundations in both Aristotle and Cicero's views of rhetoric, and then traces those foundations into the modern world. Students will learn not just the theory, but also the practice of effective public speaking, including how to analyze the speeches of others, build a strong argument, and speak with confidence and flair. By the end of this course, students will know exactly what makes a truly successful speech and will be able to put that knowledge to practical use.

Public Speaking 1B: Finding Your Voice, LMS: eDynamic
Building on the prior prerequisite course, bring your speeches to life by learning about body language, vocal, and other techniques. Learn about logic and reason while gaining the confidence to help create and deliver great presentations and speeches. You will also critically examine your speeches and presentations and those of others to improve upon your presentation.

Theater Studies, LMS: ACC. ED
Have you ever wondered how a play goes from the playwright's mind all the way into a multi-million-dollar Broadway production? In this course, you'll learn the whole process! This course provides a thorough introduction to the theater by providing an overview of major topics in theater studies, with a blend of theoretical and practical lessons. In the first half of this course you will learn about the definitions of theater, theater history, and contemporary theatrical genres! The second of half of the course will guide you through all of the elements of putting on a professional theatrical production. You will learn about the entire production process, from playwriting through opening night, including elements of technical theater, the rehearsal process, and audience response. Whether you're an aspiring actor, technician, director, or producer, or even just an avid theatergoer, this course is for you.

Life Skills Electives
Grades 9-12
0.5 Credits
LMS: ACC.ED, BUZZ, eDynamic, ODY

Child Development, LMS: ACC. ED
This course is designed to help prepare students for their responsibilities as parents and caregivers of children. Topics include prenatal care, growth and development through age six, teen pregnancy, maternal health, parenting skills, and child guidance.

Driver Education, LMS: BUZZ

The purpose of this course is to provide the academic components to prepare students for the written drivers' exam. The main goal of this course is for students to acquire driver knowledge and review important information on operating a vehicle and how to stay current with today's laws. The course is designed to familiarize students with different driving topics; they will consider the implications of decisions and behaviors that impact their physical, mental, and social well-being. Each concept is reinforced with study guides, movies and outside resources. The mission of the course is to teach students the knowledge needed to be safe, and to be prepared to take the Pennsylvania written exam. This course is designed as an independent study that students work on with limited teacher interaction.

Life Skills: Navigating Adulthood, LMS: eDynamic

What do you want out of life? How do you achieve your dreams for the future? These can be difficult questions to answer, but with the right tools, they don't have to be. This course will encourage you to learn more about yourself and help you to prepare for the future. You will explore goal setting, decision making, and surviving college and career. You will also discover how to become a valuable contributing member of society. Now is the time to take action. It's your life, make it count.

Personal Finance, LMS: ODY

Personal Financial Literacy is a semester-length elective designed to help high school students prepare for success in making financial decisions throughout their lives. Topics in the course address the advantages of making sound financial decisions in both the short and long term, income planning, money management, saving and investing, and consumer rights and responsibilities.

Personal and Family Finance, LMS: eDynamic

We all know money is important in life. But how important? In fact, the financial decisions you make today may have a lasting effect on your future. Rather than feeling anxious about money feel empowered by learning how to make smart decisions! Personal and Family Finance will begin the conversation around how to spend and save your money wisely, investing in safe opportunities and the days ahead. Learning key financial concepts around taxes, credit, and money management will provide both understanding and confidence as you begin to navigate your own route to future security. Discover how education, career choices, and financial planning can lead you in the right direction to making your life simpler, steadier, and more enjoyable.

Real World Parenting, LMS: eDynamic

Do you love children? Maybe you dream of being a parent someday. But perhaps you are also asking yourself, just how, exactly, do you learn to parent? Learning how to care for children while teaching them confidence and accountability is not an easy feat. In Real-World Parenting, you'll learn that being a parent is much more than simply feeding, bathing, and protecting a child. Creating a positive environment, nurturing, fostering education, and serving as a role model are all critical aspects as well. You'll learn how to be a positive force in the development of your future children as well as others around you. What is the best way to care for children and teach them self-confidence and a sense of responsibility? Parenting involves more than having a child and providing food and shelter. Learn what to prepare for, what to expect, and what vital steps parents can take to create the best

environment for their children. Parenting roles and responsibilities, nurturing and protective environments for children, positive parenting strategies, and effective communication in parent/child relationships are some of the topics covered in this course.

Strategies for Academic Success, LMS: EDG
Offering a comprehensive analysis of different types of motivation, study habits, and learning styles, this one-semester course encourages high school and middle school students to take control of their learning by exploring varying strategies for success. Providing engaging lessons that will help students identify what works best for them individually, this one-semester course covers important study skills, such as strategies for taking high-quality notes, memorization techniques, test-taking strategies, benefits of visual aids, and reading techniques.

Study Skills and Strategies, LMS: ACC. ED
The Study Skills and Strategies course equips students with skills and understandings critical to effective learning. Using a unique approach to the traditional topic of study skills, this course weaves understanding regarding the role of the brain in learning into the instruction of discrete learning skills and strategies. Moving beyond a list of good tips and ideas, the Study Skills and Strategies course will challenge students to develop intentional approaches to learning. They will be required to make connections between the strategies and skills they learn in this course and the implementation of those strategies and skills in their other coursework. Upon completion of the course, students will have learned a variety of specific learning skills and strategies, gained greater understanding of their own learning preferences, and become prepared to develop and implement specific learning and study plans for any academic course or other learning needs.

Graduation Project, Grades 11-12, LMS: BVA
The Graduation Project is a requirement for all Pennsylvania high school students. ThePennsylvania Department of Education states, "The purpose of this culminating project is to assure that students are able to apply, analyze, synthesize and evaluate information and communicate significant knowledge and understanding." This course offers a challenging learning experience allowing students to create a uniquely personal product reflecting their personal goals, ambitions, interests, and a sense of community and purpose. The course encourages personal ownership of a project, from proposal to completion. It promotes self-esteem and self-confidence, accountability and responsibility.

Social Sciences, Technology, World Languages, Agriculture, Food & Natural Resources Electives
Grades 9-12
0.5 credits
LMS: ACC. ED, EDG, eDynamic, ODY

Accounting, LMS: ACC. ED
In this semester course, you will explore accounting, including investigating accounting careers. You will learn basic accounting skills and procedures both with and without a computer for general journals, general ledgers, cash payments journals, cash receipts journals, sales journals, accounts payable ledgers, and accounts receivable ledgers. You will also learn how to reconcile a bank statement and to prepare payroll records. This course covers the basic principles of financial accounting for individuals and for companies with attention to both the mathematical formulas and

to the ethical side of accounting. Each unit has practical exercises including a project at the end of the unit.

Economics

LMS: ODY
Odysseyware® will provide students a strong foundation in basic economic principles in this half-credit course. Students will examine topics such as scarcity, economic roles of individuals, organizations, and institutions, factors that affect supply and demand, different market structures, market regulation, and the macro economy. Lessons and projects encourage students to examine a variety of problems from the viewpoint of an economist.

LMS: EDG
Available as either a semester or a full year, this course invites students to broaden their understanding of how economic concepts apply to their everyday lives—including microeconomic and macroeconomic theory and the characteristics of mixed-market economies, the role of government in a free-enterprise system and the global economy, and personal finance strategies. Throughout the course, students apply critical-thinking skills while making practical economic choices. Students also master literacy skills through rigorous reading and writing activities. Students analyze data displays and write routinely and responsively in tasks and assignments that are based on scenarios, texts, activities, and examples. In more extensive, process-based writing lessons, students write full-length essays in informative and argumentative formats.

Forensic Science I: Secrets of the Dead, LMS: eDynamic
Fingerprints. Blood spatter. DNA analysis. The world of law enforcement is increasingly making use of the techniques and knowledge from the sciences to better understand the crimes that are committed and to catch those individuals responsible for the crimes. Forensic science applies scientific knowledge to the criminal justice system. This course focuses on some of the techniques and practices used by forensic scientists during a crime scene investigation (CSI). Starting with how clues and data are recorded and preserved, the student will follow evidence trails until the CSI goes to trial, examining how various elements of the crime scene are analyzed and processed.

Forensic Science II: More Secrets of the Dead, LMS: eDynamic
Although the crime scene represents the first step in solving crimes through forensic science, the crime laboratory plays a critical role in the analysis of evidence. This course focuses on the analysis of evidence and testing that takes place within this setting. We will examine some of the basic scientific principles and knowledge that guides forensic laboratory processes, such as those testing DNA, toxicology, and material analysis. Techniques such as microscopy, chromatography, odontology, entomology, mineralogy, and spectroscopy will be examined.

Health Science 1a: Introduction, LMS: eDynamic
We know the world is filled with different health problems and finding effective solutions is one of our greatest challenges. How close are we to finding a cure for cancer? What's the best way to treat diabetes and asthma? How are such illnesses as meningitis and tuberculosis identified and diagnosed? Health Sciences I: The Whole Individual provides the answers to these questions and more as it introduces you to such health science disciplines as toxicology, clinical medicine, and biotechnology. Understanding the value of diagnostics and research can lead to better identification and treatment of many diseases, and by learning all the pertinent information and terminology you

can discover how this amazing field will contribute to the betterment of human life in our future. **Additional materials required*

Health Science 1b: The Whole Individual, LMS: eDynamic
We know the world is filled with different health problems and finding effective solutions is one of our greatest challenges. How close are we to finding a cure for cancer? What's the best way to treat diabetes and asthma? How are such illnesses as meningitis and tuberculosis identified and diagnosed? Health Sciences I: The Whole Individual provides the answers to these questions and more as it introduces you to such health science disciplines as toxicology, clinical medicine, and biotechnology. Understanding the value of diagnostics and research can lead to better identification and treatment of many diseases, and by learning all the pertinent information and terminology you can discover how this amazing field will contribute to the betterment of human life in our future. *Additional materials required

Health Science 2a: Introduction, LMS: eDynamic
Are you looking for a job that's challenging, interesting, and rewarding? These three words describe many of the different careers in health care, and Health Sciences II: Patient Care and Medical Services will show you how to become part of this meaningful vocation. Promoting wellness, communicating with patients, and understanding safety in the workplace are just a few of the essential skills you will learn, all the while becoming familiar with some of the more prominent areas in the field, such as emergency care, nursing, infection control, and pediatrics. You'll learn about some of the inherent challenges faced by this age-old profession and how you can become a significant part of the solution.

Health Science 2b: Patient Care and Medical Services, LMS: eDynamic
Are you looking for a job that's challenging, interesting, and rewarding? These three words describe many of the different careers in health care, and Health Sciences II: Patient Care and Medical Services will show you how to become part of this meaningful vocation. Promoting wellness, communicating with patients, and understanding safety in the workplace are just a few of the essential skills you will learn, all the while becoming familiar with some of the more prominent areas in the field, such as emergency care, nursing, infection control, and pediatrics. You'll learn about some of the inherent challenges faced by this age-old profession and how you can become a significant part of the solution.

Health Science Foundations 1a: Introduction, LMS: eDynamic
Introduce your students to the rewarding field of health science! Learners will acquire foundational knowledge required to pursue a career, such as the roles in the healthcare industry and the education, training, and credentials needed to attain them. Basic medical terminology, principles of anatomy and physiology, and legal and ethical responsibilities are also discussed. In addition, students will explore communication, teamwork, and leadership techniques – providing a solid basis for those wanting to advance through the health sciences. **Additional materials required.*

Health Science Foundations 1b: Professional Responsibilities, LMS: eDynamic
Building on the prior prerequisite course, you will further develop your understanding of health science. Starting with safety, you will analyze your responsibilities for ensuring patient and personal safety with special attention paid to emergency procedures. Infection control, first-aid, CPR, and measuring vitals are discussed in detail. You will also learn about numerical data, such as systems of

measurement, medical math, and reading and interpreting charts. Finally, examine effective teamwork and leadership characteristics while building your employment skills. **Additional materials required.*

Entrepreneurship 1: Starting Your Business, LMS: eDynamic
What does it really take to own your own business? Does the sound of being your own boss make you feel excited or anxious? Either way, Entrepreneurship: Starting Your Business will get you started in the right direction. This course explains the ins and outs of such an enterprise, giving you the confidence needed to be your very own boss. You will discover what is needed to operate a personal business from creating a plan, generating financing, and pricing products to marketing services and managing employees. If you've ever dreamed of being a true entrepreneur but feel daunted by the prospect, this is your chance to learn all you need to know. **Additional materials required.*

Entrepreneurship 1a: Introduction, LMS: eDynamic
Starting a business is more than just having a good idea. Successful entrepreneurs know how to use and apply fundamental business concepts to turn their ideas into thriving businesses. Explore topics such as identifying the best business structure, business functions and operations, finance, business laws, regulations, and more! If you have ever dreamed of making a business idea a reality, take the time to establish a solid foundation of business skills to make your business dreams come true!

Entrepreneurship 1b: Make Your Idea a Reality, LMS: eDynamic
You have the business idea; now it's time to go from dream to reality. Throughout this course, you'll explore different topics representing the major parts of a business plan, such as risk, hiring, pricing, marketing, and more. By completing activities, you'll create a viable document you can use to help you start your business by the end of the course. Let's bring your dream to life!

Law & Order: Introduction to Legal Studies, LMS: eDynamic
Every society has laws that its citizens must follow. From traffic laws to regulations on how the government operates, laws help provide society with order and structure. Our lives are guided and regulated by our society's legal expectations. Consumer laws help protect us from faulty goods; criminal laws help to protect society from individuals who harm others; and family law handles the arrangements and issues that arise in areas like divorce and child custody. This course focuses on the creation and application of laws in various areas of society. By understanding the workings of our court system, as well as how laws are actually carried out, we become more informed and responsible citizens in our communities and of our nation.

Peer Counseling, LMS: eDynamic
Helping people achieve their goals is one of the most rewarding of human experiences. Peer counselors help individuals reach their goals by offering them support, encouragement, and resource information. This course explains the role of a peer counselor, teaches the observation, listening, and empathic communication skills that counselors need, and provides basic training in conflict resolution, and group leadership. Not only will this course prepare you for working as a peer counselor, but the skills taught will enhance your ability to communicate effectively in your personal and work relationships.

Principles of Public Service, LMS: eDynamic
Public service is a field that focuses on building a safe and healthy world, and you'll explore the

many different career choices that are imperative to our comfort and success as a society. The protection of society is not only one of our greatest challenges, but it also provides ways for people to work together to ensure safety and provide indispensable services. If you have ever contemplated being one of these real-life heroes, now is the time to learn more!

Psychology, LMS: ODY, EDG
Description: Psychology is an introductory elective course for high school students. Throughout the course students will examine influences on human actions and beliefs, factors influencing behavior and perception, and basic psychological theories. Students will develop and apply their understanding of psychology through lessons and projects that require interaction and observation of others.

Sociology I, LMS: ODY, EDG
Providing insight into the human dynamics of our diverse society, this is an engaging, one-semester course that delves into the fundamental concepts of sociology. This interactive course, designed for high school students, covers cultural diversity and conformity, basic structures of society, individuals and socialization, stages of human development as they relate to sociology, deviance from social norms, social stratification, racial and ethnic interactions, gender roles, family structure, the economic and political aspects of sociology, the sociology of public institutions, and collective human behavior, both historically and in modern times.

Sociology II, Grades 11-12, LMS: ODY, EDG
This course will encompass the basic principles of sociology. Students will learn a variety of topics including sociological theory and basic research methods, as well as specific theories of culture, deviance, social interaction, diversity, stratification, education, technology, and health in modern society. Students will demonstrate the application of these topics to everyday situations. Upon course completion, students will be able to identify foundational philosophies, theories, and methods in the field of sociology and apply principles of culture and deviance to real-life scenarios. They will be able to analyze social interaction and collective behavior in a real-world context; identify and apply elements of diversity, stratification, and inequality in real life; and analyze sociological perspectives on elements of modern society.

Social Problems I: A World in Crisis, LMS: eDynamic
Students will become aware of the challenges faced by social groups, as well as learn about the complex relationship among societies, governments and the individual. Each unit is focused on a particular area of concern, often within a global context. Possible solutions at both the structural level as well as that of the individual will be examined. Students will not only learn more about how social problems affect them personally but begin to develop the skills necessary to help make a difference in their own lives and communities, not to mention globally.

Social Problems II: Crisis, Conflicts, & Challenges, LMS: eDynamic
The Social Problems II course continues to examine timely social issues affecting individuals and societies around the globe. Students learn about the overall structure of social problems as well as how it impacts their lives. Each unit focuses on a particular social problem, including racial discrimination, drug abuse, the loss of community, and urban sprawl, and discusses possible solutions at both individual and structural levels. For each issue, students examine the connections in the global arena involving societies, governments and the individual.

Veterinary Science, LMS: eDynamic
As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. Taking a look at the pets that live in our homes, on our farms, and in zoos and wildlife sanctuaries, this course will examine some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases impact not only the animals around us, but at times we humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues is studied and applied.

World Religions: Exploring Diversity, LMS: eDynamic
Throughout the ages, religions from around the world have shaped the political, social, and cultural aspects of societies. This course focuses on the major religions that have played a role in human history, including Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism, and Taoism. Students will trace the major developments in these religions and explore their relationships with social institutions and culture. The course will also discuss some of the similarities and differences among the major religions and examine the connections and influences they have.

World Religions: Exploring Diversity, LMS: eDynamic
Throughout the ages, religions worldwide have shaped the political, social, and cultural aspects of societies. Explore the major religions that have played a role in human history, including Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism, and Taoism. Trace the major developments in these religions and examine their relationships with social institutions and culture, as well as the similarities and differences and connections and influences they have.

Technology Electives
Grades 9-12
0.5 credit
LMS: eDynamic

Introduction to Information Technology, LMS: eDynamic
This course introduces students to the essential technical and professional skills required in the field of Information Technology (IT). Through hands-on projects and written assignments, students gain an understanding of the operation of computers, computer networks, Internet fundamentals, programming, and computer support. Students also learn about the social impact of technological change and the ethical issues related to technology. Throughout the course, instructional activities emphasize safety, professionalism, accountability, and efficiency for workers within the field of IT.

Principles of Information Technology 1A Introduction, LMS: eDynamic
Ready to develop your understanding and proficiency in computers? Explore a range of concepts to gain the foundational knowledge you'll need to start exploring careers in this field to find out which ones suit your interests and abilities. Learn about computer hardware and maintenance to data management and storage options to network systems, administration, and troubleshooting. Then dive into word processing, spreadsheets, and databases to cement your knowledge of information technology!

Principles of Information Technology 1B Working with Computers, LMS: eDynamic
Take the IT knowledge you have to a more advanced level. Starting with an overview of programming, algorithms, and compilers, you'll then learn the basics of web page design and creating graphics. Explore security and cybercrime, emerging technologies, presentation software,

and intellectual property laws. Finally, you will prepare for the future by discovering various careers in this field and planning your education!

Introduction to Social Media, LMS: eDynamic
Have a Facebook account? What about Twitter? Whether you've already dipped your toes in the waters of social media or are still standing on the shore wondering what to make of it all, learning how to interact on various social media platforms is crucial in order to survive and thrive in this age of digital communication. In this course, you'll learn the ins and outs of social media platforms such as Facebook, Twitter, Pinterest, Google+, and more. You'll also discover other types of social media you may not have been aware of and how to use them for your benefit—personally, academically, and eventually professionally as well. If you thought social media platforms were just a place to keep track of friends and share personal photos, this course will show you how to use these resources in much more powerful ways. **Additional materials required*.

Social Media: Our Connected World, LMS: eDynamic
Do you have any social media accounts? Learn the ins and outs of such social media platforms as Facebook, Twitter, Pinterest, Google+, and more and how to use them for your benefit personally, academically, and, eventually, professionally. If you thought social media platforms were just a place to keep track of friends and share personal photos, this course will show you how to use these resources in much more powerful ways.

Office Applications I, LMS: ODY
Office Applications I is a semester-length, high school elective that explores the use of application skills in Microsoft® Word®, and an introduction to PowerPoint® 2010. Students will use these applications to design, develop, create, edit, and share business documents, publications, and presentations. *Materials: Computer with Microsoft Word, PowerPoint (for Level I) and Excel (for Level II) (Not provided unless the student is using a BVA-provided laptop).*

Office Applications II, LMS: ODY
Office Applications II is a semester-length, high school elective course that explores the use of application skills in Microsoft® Excel®. Students will use these applications to design,develop, create, edit, and share business spreadsheets. This course provides key knowledge and skills in in Microsoft® Excel® ranging from basic spreadsheet terminology to exploring data entry, formatting, formulas, functions, charts, graphics, and additional features available in backstage view. Materials: Computer with Microsoft Word, PowerPoint (for Level I) and Excel (for Level II) (Not provided unless the student is using a BVA-provided laptop)

Principles of Information Technology 1a: Introduction, LMS: eDynamic
Develop your students' understanding and proficiency of computers! Students will learn about computer hardware, Von Neumann architecture, peripherals, and maintenance as well as data management and storage options. Learners will trace the history of operating systems and application software while also exploring network systems, administration, and troubleshooting. Finally, students will dive into word processing, spreadsheets, and databases to cement their knowledge of information technology! **Additional materials required.*

Principles of Information Technology 1b: Working with Technology, LMS: eDynamic
Building on the prior prerequisite course, you will gain further knowledge of information technology. Starting with an overview of programming, algorithms, and compilers, students will then learn the

basics of web page design and creating graphics. You will also explore security and cybercrime, emerging technologies, presentation software, and intellectual property laws. Finally, you will prepare for the future by discovering various careers in this field and planning your education! **Additional materials required.*

Foundations of Game Design 1a, LMS: eDynamic
Does your love of video games motivate you to pursue a career in this field? Pursue your passion by learning about the principles of game design through the stages of development, iterative process, critiques, and game development tools. Put these new skills to work by designing your own game! **Additional materials required.*

Foundations of Game Design 1b: Storytelling, Mechanics, LMS: eDynamic
Building on the prior prerequisite course, use your creativity to develop a game from start to finish! Develop your game creation skills and practice with the tools professionals use to launch your career options in the field of game design. The content of this course also applies to certification exams. **Additional materials required*

Basic Web Design, LMS: ACC ED
In this course, students will learn how to design a beautiful and functional website. Students will learn how to take their design and translate it into a live website using Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS) programing languages. HTML5 and CSS3 will be the standard versions used in the class. Students will understand design components of websites, including the use of color, layout and when to use different techniques, typography rules, and the importance of imagery. At the conclusion of the course, students will present a website to the class. Upon completion of this course, each student will have hands-on experience creating a fully functioning website. Students do not need to have a previous technical background with HTML or CSS prior to taking this course. **Additional materials required*

World Languages
Grades 9-12,
1.0 Credit
LMS: ACC. ED

French I-III, LMS: ACC. ED
French 1 focuses on developing listening skills by repeated exposure to the spoken language. Speaking skills are encouraged through recommended assignments using voice tools. Reading and writing skills, as well as language structures, are practiced through meaningful, real-life contexts. The use of technology enhances and reinforces authentic language development and fosters cultural understandings through exposure to native speakers and their daily routines

French II:
Semester A focuses on the continuation and enhancement of language skills presented in Level 1. Vocabulary and grammar structures are revisited and expanded to provide students an opportunity to move towards an intermediate comprehension level. Speaking and listening skills are enhanced through recommended real-life voice activities. Listening skills are honed through online dialogues. Reading and writing skills are developed through access to completion of meaningful activities, reading of culturally related articles of interest and responding to reading in the target language. The use of technology enhances and reinforces authentic language development and fosters cultural

understandings through exposure to native speakers and their daily routines. Semester B continues the enhancement of language skills. Vocabulary and grammar structures are revisited and expanded as students explore other French-speaking areas. Speaking and listening skills are enhanced through recommended real-life voice activities. Listening skills are honed through online dialogues. Reading and writing skills are developed through access to completion of meaningful activities related to travel, to the Olympics, to natural disasters, and to the space program. Reading of culturally related articles of interest and responding to reading in the target language, along with the use of technology, reinforces authentic language development and fosters cultural understandings through exposure to native speakers and their daily routines.

German I-II, Grades 9-12, LMS: ACC. ED

German I:

This German 1A course is an introductory course teaching basic comprehension and communication in German. It coordinates the study of language with culture through the use of video, audio and mass media production. This course assumes prior or no knowledge of the German language. It introduces the fundamentals of conversational and grammatical patterns of the German language with presentations to present the material. Students who complete the course successfully will begin to develop a functional competency in the four primary language areas: speaking, reading, listening and writing, while establishing a solid grammatical base and exploration into German culture. The second semester course will expand on the knowledge gained from German 1A and further develop their skills in pronunciation, grammar skills, grammar structures and vocabulary. Oral practice (via Voice Tools), homework assignments, games, songs, watching videos, quizzes, tests, projects and other activities such as writing wikis and journal entries, will be emphasized to accomplish this goal. The different cultures of the German-speaking world are emphasized through readings, videos and other activities. Taking the time to learn another language is a mind-expanding activity that can open up a world of opportunities and advantages.

German II:

In this course, students build on grammar and language skills that they acquired during their G1A and G1B courses. While reviewing basic grammar skills, (present and past tenses), students learn and study stem-changing verb conjugation and explore cultural themes regarding current events, famous German people, music and famous festivals. In the second semester course, students increase their proficiency in being able to communicate by forming more complex German sentences in a variety of tenses using all four cases (Nominative, Accusative, Dative and Genitive). The variety of topics increases also, from exploring different careers to discussing relationships. Cultural themes are entwined throughout this course related to going shopping, to going to the zoo and also to travel throughout the German-speaking world.

Spanish I-IV, LMS: ODY/ACC. ED

Spanish I:

Spanish 1 is designed to develop an authentic and practical understanding of the Spanish language and culture. Students will have the ability to express their thoughts, feelings, and opinions in the target language within basic, real-life situations and learning scenarios. All new concepts, grammatical concepts, and cultural information will be introduced in context while incorporating various listening, speaking and writing activities.

Spanish II:
Students build upon the foundation developed in Spanish 1. They continue to build vocabulary, learn new verb tenses and other grammar concepts, and they increase their ability to communicate with others. They learn new concepts, like reflexive verbs, infinitive expressions, commands, the imperfect tense. Students will continue building on vocabulary, grammar concepts and communicating effectively in the target language. You will explore new countries where Spanish is spoken and continue to keep abreast of current events in the Spanish-speaking world.

Spanish III:
Students continue to develop their ability in reading, writing, speaking, and understanding Spanish through a systematic review of its structure. Students focus on applying vocabulary in a wider array of situations by learning about the past progressive and subjunctive moods and the present perfect, future, and conditional tenses.

Spanish IV:
Students will continue to sharpen listening, speaking, reading and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Throughout the six units of material, students learn to express themselves in writing using an ever-increasing vocabulary along with high level grammar topics such as the use of past-tenses and past subjunctive verb forms. Culture is included throughout the course in an attempt to help the learner focus on the Spanish-speaking world and their culture, people, geographical locations and histories. The course is aligned to the national Foreign Language standards. There are several opportunities in the course to connect with the instructor in order to practice real life speaking skills using the vocabulary and grammar presented in the units. **NCAA Approved*

Agriscience I: Introduction to, LMS: eDynamic
How can we make our food more nutritious? Can plants really communicate with each other? These are just two of the questions tackled in Introduction to Agriscience. From studying the secrets in corn roots to examining how to increase our food supply, this course examines how agriscientists are at the forefront of improving agriculture, food production, and the conservation of natural resources. In Introduction to Agriscience, you'll learn about the innovative ways that science and technology are put to beneficial use in the field of agriculture. You'll also learn more about some of the controversies that surround agricultural practices as nations strive to provide their people with a more abundant and healthy food supply. In this course, students will learn more about the development and maintenance of agriculture, animal systems, natural resources, and other food sources. Students will also examine the relationship between agriculture and natural resources and the environment, health, politics, and world trade.

Agriscience II: Sustaining Human, LMS: eDynamic
Science and technology are revolutionizing many areas of our lives, and agriculture is no exception! From aquaculture to genetic engineering, agriscience is finding new ways to better produce and manage plants, from the field to the garden. In Agriscience II, you'll build on your existing knowledge of plant science and delve deeper into important areas such as soil science and weed management. You'll learn more about horticulture and plant science trends from creating hybrid species to growing edible plants in unlikely places. **Additional materials required*

Forestry & Natural Resources, LMS: eDynamic
Forests and other natural resources play an important role in our world, from providing lumber and paper products to providing habitat for birds and animals. In the Introduction to Forestry and Natural Resources course, you'll learn more about forest ecology, management, and conservation. You'll explore topics such as environmental policy, land use, water resources, and wildlife management. Finally, you'll learn more about forestry related careers and important issues facing forestry professionals today. **Additional materials required*

Principles of Agriculture, Food & Natural Resources, LMS: eDynamic
Food has to travel from the farm to the table, and in Agriculture and Natural Resources, you will learn about all of the steps in that journey, beginning with the history of agriculture through animal husbandry, plant science, and managing our use of natural resources. In this course, you will receive a broad understanding of the subject matter, preparing you for future hands-on learning, participation in Future Farmers of America, and supervised agricultural experiences. **Additional materials required.*

Principles of Agriculture, Food & Natural Resources, LMS: eDynamic
Did you know that the world's population could be 11 billion people by 2050? With a growing population, how do we keep everyone fed? This is where the importance of agriculture, food, and natural resources comes in! Gain a stronger sense of how we can maximize the foods and natural resources the earth provides. Learn more about agriculture's history, animal husbandry, plant science, and natural resources, and you'll be better prepared for your part in sustaining the world.

Renewable Technologies, LMS: eDynamic
Interested in transforming energy? With concerns about climate change and growing populations' effects on traditional energy supplies, scientists, governments, and societies are increasingly turning to renewable and innovative energy sources. In the Introduction to Renewable Technologies course, you'll learn all about the cutting-edge field of renewable energy and the exciting new technologies that are making it possible. You'll explore new ways of generating energy and storing that energy, from biofuels to high capacity batteries and smart electrical grids. You'll also learn more about the environmental and social effects of renewable technologies and examine how people's energy decisions impact policies.

Veterinary Science: The Care of Animals,LMS: eDynamic
As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. Taking a look at the pets that live in our homes, on our farms, and in zoos and wildlife sanctuaries, this course will examine some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases impact not only the animals around us, but at times we humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues is studied and applied.

Arts, A/V Technology & Communications

3D Modeling, LMS: eDynamic
Are you interested in a career in technology? Are you curious about working in fields like virtual reality, video game design, marketing, television and motion pictures, or digital imaging? If so, this course in 3D Modeling is a great place to start as it is the foundation for all these career paths. Gain a deeper understanding of graphic design and illustration as you use 3D animation software to

create virtual three-dimensional design projects. Hone in on your drawing, photography, and 3D construction techniques and develop the skills needed to navigate within a 3D digital modeling workspace. This course is an excellent introduction to careers in the fast-growing field of technology and design. **Additional materials required*.

Animation 1A Introduction, LMS: eDynamic
Have you ever watched a cartoon or played a video game where the animation of characters captivated you so much you wanted to create your own? If so, it's time to immerse yourself in the world of animation. Meet the industry players such as directors, animators, and 3D modelers. Develop your story by exploring design, the 12 principles of animation, creating a storyboard, and leveraging the tools of the trade. Let's bring your story to life with animation!

Animation 1B Animating Your Creativity, LMS: eDynamic
It's time to start animating like the pros! In this hands-on course, you'll immediately start exploring the software Blender, your gateway to 3D modeling, computer animation, and postproduction procedures used in the film industry. Discover 3D modeling and animation of characters. Explore the basics of human anatomy and form to apply rigging, joints, and texture. Examine rendering and lighting effects and how to apply sound. And discover careers so you can start using your new skills right away.

Art History: Art in World Culture, LMS: eDynamic
Who do you think is the greatest artist of all time? Maybe Leonardo da Vinci? Michelangelo? Maybe a more modern artist like Claude Monet or Pablo Picasso? Or is it possible that the greatest artist of all time is actually someone whose name has been lost to history? In Art in World Cultures, you'll learn about some of the greatest artists in the world while creating your own art, both on paper and digitally. This course explores basic principles and elements of art and teaches you how to critique different works of art. And along the way, you will get to discover some traditional art forms from various regions of the world including the Americas, Africa, and Oceania.

Digital Photography, LMS: ACC.ED
Understanding the tools available opens the possibilities to create images with impact. In Digital Photography, students will study the history of photography as well as the basic operation of a digital camera. As they are introduced to different styles of photography and photographers, students will begin to develop artistic skills as well as their own voice through their photographs. **Digital camera or camera phone required.*

Digital Photography 1a: Introduction, LMS: eDynamic
Have you wondered how professional photographers manage to capture that perfect image? Gain a better understanding of photography by exploring camera functions and the elements of composition while putting theory into practice by taking your own spectacular shots! Learn how to display your work for exhibitions and develop skills important for a career as a photographer. **Additional materials required*

Digital Photography 1b: Creating Images with Impact! LMS: eDynamic
Building on the prior prerequisite course, further develop your photography skills by learning more professional tips, tricks, and techniques to elevate your images. Explore various photographic styles, themes, genres, and artistic approaches. Learn more about photojournalism and how to bring you

photos to life. Using this knowledge, build a portfolio of your work to pursue a career in this field! **Additional materials required*

Digital Photography 2: Discovering Your Creative Potential, LMS: eDynamic
In today's world, we are surrounded by images. We are continually seeing photographs as they appear in advertisements, on websites, in magazines, and on billboards; they even adorn our walls at home. While many of these images have been created by professional photographers, it is possible for your photos to take on a more professional look after you discover how to increase your creative potential. In Digital Photography II: Discovering Your Creative Potential, you will examine various aspects of the field including specialty areas, ethics, and famous photographers throughout history. You will also learn how to effectively critique photographs so you can better understand composition and go on to create more eye-catching photographs on your own. **Additional materials required.*

Fashion & Interior Design, LMS: eDynamic
Do you have a flair for fashion? Are you constantly looking for new ways to decorate or design your room? If so, Fashion and Interior Design is the course for you. Explore the world of design and begin to understand the background and knowledge needed to develop a career in this exciting field. Try your hand at designing through a project-based process, learning how color, composition, and texture can all affect great aesthetics. You'll develop the essential communications skills necessary to build a successful business and begin to develop the kind of portfolio that will lead to future career opportunities. Perhaps it's time to get your stylish foot in the door. **Additional materials required.*

Fashion Design, LMS: eDynamic
Are you a fashion trend follower? Are you drawn to how designers have pulled together fabrics and colors to create memorable pieces? Do you dream of designing your own line of clothing or accessories? Learn what it takes to get started in the fashion industry, from the careers available to new technology and trends reshaping the industry every day. Start creating!

Theater, Cinema, & Film Production, LMS: eDynamic
Lights! Camera! Action! Let's explore the enchanting world of live theater and its fascinating relationship to the silver screen. In Theater, Cinema, and Film Production, you'll learn the basics of lighting, sound, wardrobe, and camerawork while examining the magic that happens behind all the drama. Delve into the glamorous history of film and theater and examine the tremendous influence these industries have had on society and culture over the years. During this unit, you'll discuss and analyze three classic American films—Casablanca, Singin' in the Rain, and The Wizard of Oz—to help you learn how to critique and appreciate some of the most famous dramas of all time. **This course requires an additional fee and materials.*

Theater, Cinema, & Film Production: 1A Introduction, LMS: eDynamic
Lights! Camera! Action! Theater and cinema are both forms of art that tell a story. Let's explore the enchanting world of live theater and its fascinating relationship to the silver screen. Explore the different genres of both and how to develop the script for stage and film. Then dive into how to bring the script to life with acting and directing. If you have a passion for the art of film and stage, let's bring your creativity to life!

Theater, Cinema, & Film Production: 1B Lights, Camera, Action! LMS: eDynamic
Lights, camera, action … take two! Whether you're a performer, critic, or fan, you'll pull back the curtain to dive deeper into the making of movies and theater performances. Explore multiple facets of the production process from both theater and film. Gain insights from industry leaders along the way and learn to think critically about different aspects to develop your unit-by-unit blog. You'll fully understand how high-quality entertainment and art are crafted for the theater and the silver screen.

Business Management & Administration
Grades 9-12
0.5 Credit
LMS: eDynamic

Entrepreneurship: Starting Your Business
What does it really take to own your own business? Does the sound of being your own boss make you feel excited or anxious? Either way, Entrepreneurship: Starting Your Business will get you started in the right direction. This course explains the ins and outs of such an enterprise, giving you the confidence needed to be your very own boss. You will discover what is needed to operate a personal business from creating a plan, generating financing, and pricing products to marketing services and managing employees. If you've ever dreamed of being a true entrepreneur but feel daunted by the prospect, this is your chance to learn all you need to know. **Additional materials required.*

International Business: Global Commerce in the 21st Century
Imagine meeting with suppliers at an office in Europe while calling your salesroom that's back in Asia. Imagine investing in foreign markets and visiting partners in exotic locales. With the evolution of current technology, our world is more connected than ever before, and the business community today is larger than ever. International Business: Global Commerce in the 21st Century will demonstrate just how you can gain the knowledge, skills, and appreciation to live and work in the global marketplace. You will begin to understand how both domestic and international businesses are affected by economic, social, cultural, political, and legal factors and what it takes to become a true manager of a global business in the 21st century.

Education & Training
Grades 9-12
0.5 credit
LMS: eDynamic

Early Childhood Education 1A Introduction
Are you curious to see what it takes to educate and nurture early learners? Use your curiosity to explore the fundamentals of childcare, like nutrition and safety, but also the complex relationships caregivers have with parents and their children. Examine the various life stages of child development and the best educational practices to enrich their minds while thinking about a possible future as a childcare provider!

Early Childhood Education 1B Developing Early Learners
Discover the joys of providing exceptional childcare and helping to develop future generations. Learn the importance of play and use it to build engaging educational activities that build literacy

and math skills through each stage of childhood and special need. Use this knowledge to develop your professional skills well suited to a career in childcare.

Health Sciences
Grades 9-12
0.5 credits
LMS: ACC. ED, eDynamic

Health 1: Life Management Skills, LMS: eDynamic
Imagine the healthiest people you know . . . what's their secret? While some health traits are genetically determined, the truth is we all have the ability to make positive changes in our physical lives. In Health 1: Life Management Skills, you will learn how to promote better health by decreasing stress and finding a fuller vision of your life. Explore different lifestyle choices that can influence your overall health—from positively interacting with others, to choosing quality health care, to making sensible dietary choices. You will have the opportunity to build your own plan for improvement and learn how to create the type of environment that will ensure your overall health, happiness, and well-being. **Additional materials required.*

Health Science: The Whole Individual, LMS: eDynamic
Finding effective solutions to different health problems is one of our greatest challenges. How close are we to finding a cure for cancer? What's the best way to treat diabetes and asthma? You'll be introduced to disciplines such as toxicology, clinical medicine, and biotechnology. Understanding the value of diagnostics and research can lead to better identification and treatment of many diseases, and by learning all the pertinent information and terminology you can discover how this amazing field will contribute to the betterment of human life in our future. **Additional materials required.*

Health Science 2: Patient Care & Medical Services, LMS: eDynamic
Explore the roles health care professionals play in treating patients. Promoting wellness, communicating with patients, and understanding safety in the workplace are just a few of the essential skills you will learn, all the while becoming familiar with some of the more prominent areas in the field, such as emergency care, nursing, infection control, and pediatrics. You'll learn about some of the inherent challenges faced by this age-old profession and how you can become a significant part of the solution. **Additional materials required.*

Health Science: Nursing, LMS: eDynamic
Nursing is an in-demand career, perfect for someone looking for a rewarding and challenging vocation in the healthcare sector. With a strong focus on patient care, a nurse must be skilled in communication, promoting wellness, and understanding safety in the workplace. In Health Science II Nursing, you will explore communication and ethics, anatomy and physiology, and the practice of nursing. Learn how to build relationships with individuals, families, and communities and how to develop wellness strategies for your patients. From emergency to rehabilitative care to advances and challenges in the healthcare industry, discover how you can launch a fulfilling career providing care to others. **Additional materials required.*

Intro to Nursing, LMS: ACC. ED
This two-semester course introduces students to the field of nursing. In the first semester students will learn about the history and evolution of nursing, education and licensure requirements, career

path options, and nursing responsibilities. Students will also focus on foundational information such as basic anatomy, physiology, medical terminology, pharmacology, first aid, and disease prevention. In semester two, students will examine various nursing theories, as well as focus on the nursing process, including assessment, diagnosis, and treatment options. Students will also learn about professional and legal standards and ethics. *Additional skills of communication, teaching, time and stress management, patient safety, and crisis management will be included.*

Health Science: Public, LMS: eDynamic
What is public health? Who is in control of our health systems and who decides which diseases get funding and which do not? What are the human and environmental reasons for health inequality? Health Science: Public Health answers all of these questions and more. You will study both infectious and non-communicable diseases as well as learn how we conquer these on a community and global level through various methods, including proper hygiene, sanitation, and nutrition. Explore the role current and future technologies play worldwide as well as consider the ethics and governance of health on a global scale. Discover unique career opportunities, and fascinating real-life situations. **Additional materials required.*

Health Science Foundations 1A: Introduction, LMS: eDynamic
Health science careers are not only in high demand, but they offer a diverse range of careers for all types of people interested in helping others. Acquire foundational knowledge required to pursue a career in the healthcare industry, and the education, training, and credentials needed to attain them. Learn basic medical terminology, principles of anatomy and physiology, and legal and ethical responsibilities. Explore communication, teamwork, and leadership techniques – providing a solid basis for those wanting to advance through the health sciences.

Health Science Foundations 1B: Professional, LMS: eDynamic
Making sure that you, your patients, and your colleagues stay safe, you'll begin analyzing your responsibilities for ensuring patient and personal safety with special attention paid to emergency procedures. Examine infection control, first-aid, CPR, and measuring a patient's vitals. Learn about numerical data, such as systems of measurement, medical math, and reading and interpreting charts. And examine effective teamwork and leadership characteristics while building your employment skills.

Nutrition & Wellness, LMS: eDynamic
Have you ever heard the phrase "your body is your temple" and wondered what it means? Keeping our physical body healthy and happy is just one of the many challenges we face, and yet, many of us don't know how to best achieve it. Positive decisions around diet and food preparation are key to this process, and you will find the essential skills needed to pursue a healthy, informed lifestyle in Nutrition and Wellness. Making sure you know how to locate, buy, and prepare fresh delicious food will make you, and your body, feel amazing. Impressing your friends and family as you nourish them with your knowledge? That feels even better.

Nutrition, LMS: ACC. ED
This course takes students through a comprehensive study of nutritional principles and guidelines. Students will learn about world-wide views of nutrition, nutrient requirements, physiological processes, food labeling, healthy weight management, diet related diseases, food handling, nutrition

for different populations, and more. Students will gain important knowledge and skills to aid them in attaining and maintaining a healthy and nutritious lifestyle.

Hospitality & Tourism
Grades 9-12
0.5 credits
LMS: eDynamic

Culinary Arts 1a - Introduction, LMS: eDynamic
Thinking of a career in the food service industry or looking to develop your culinary skills? This introductory course will provide you with basic cooking and knife skills while preparing you for entry into the culinary world. Discover the history of food culture, food service, and global cuisines while learning about food science principles and preservation. Finally, prepare for your future by building the professional, communication, leadership, and teamwork skills that are crucial to a career in the culinary arts. **Additional materials required.*

Culinary Arts 1b: Finding your Palate, LMS: eDynamic
Did you know that baking is considered a science? Building on the prior prerequisite course, discover how to elevate your culinary skills through the creation of stocks, soups, sauces, and learn baking techniques. Examine sustainable food practices and the benefits of nutrition while maintaining taste, plating, and presentation to truly wow your guests. The last unit in this course explores careers in the culinary arts for ways to channel your newfound passion! **Additional materials required.*

Culinary Arts 2a: Introduction, LMS: eDynamic
Whether you aspire to be a world-class chef or just want to learn the skills needed to create your own dishes, Culinary Arts 2 will help you build a strong foundation and grow your knowledge of this exciting industry. In this course, you will explore baking and desserts, learn how to prepare proteins, and study nutrition and safety in the kitchen. You will also enhance your understanding of sustainability in the food industry, learn to prepare meals from a global perspective, and dissect the business of cooking, from managing a kitchen to successfully running a catering company. Discover the delights that await you on this delicious culinary adventure! **Additional materials required.*

Culinary Arts 2b: Baking, Pastry and More, LMS: eDynamic
Whether you aspire to be a world-class chef or just want to learn the skills needed to create your own dishes, Culinary Arts 2 will help you build a strong foundation and grow your knowledge of this exciting industry. In this course, you will explore baking and desserts, learn how to prepare proteins, and study nutrition and safety in the kitchen. You will also enhance your understanding of sustainability in the food industry, learn to prepare meals from a global perspective, and dissect the business of cooking, from managing a kitchen to successfully running a catering company. Discover the delights that await you on this delicious culinary adventure! **Additional materials required.*

Hospitality & Tourism: Traveling the Globe, LMS: eDynamic
Think about the best travel location you've ever heard about. Now imagine working there. In the 21st century, travel is more exciting than ever, with people traversing the globe in growing numbers. Hospitality and Tourism: Traveling the Globe will introduce you to a thriving industry that caters to the needs of travelers through managing hotels, restaurants, cruise ships, resorts, theme parks, and any other kind of hospitality you can imagine. Operating busy tourist locations, creating marketing

around the world of leisure and travel, spotting trends, and planning tasteful events are just a few of the key aspects you will explore in this course as you locate your own career niche in this exciting field.

Hospitality & Tourism: Hotel & Restaurant Management 2A, LMS: eDynamic
Are you a people person? Then hospitality may be the field for you! Learn about what makes the hotel and restaurant industries unique. Learn about large and small restaurants, boutique and resort hotels, and their day-to-day operations. Evaluate the environment for these businesses by examining their customers and their competition. Discover trends and technology that makes each industry exciting and innovative. Explore a variety of interesting job options from Front Desk and Concierge services to Maître d and food service. **Additional materials required.*

Hospitality & Tourism: Hotel & Restaurant Management 2B, LMS: eDynamic
Embark on your journey to becoming a manager in the hotel or restaurant industry by gaining knowledge and developing a variety of skills. Learn about different management styles, laws, and regulations that govern hotels and restaurants as well as how to develop job descriptions and business plans. You'll also explore how to create menus, advertise vacancies, perform interviews, and understand the financials of the hotel or restaurant.

Restaurant Management, LMS: eDynamic
Have you ever dreamed of running your own eatery? Maybe you've thought of collaborating with a famous chef to create an unforgettable dining experience? What goes on behind the restaurant dining room is a very different world than what goes on out front and really determines the success or failure of an establishment. Restaurant Management will show you exactly what's needed to run a successful restaurant, including ordering supplies, hiring quality workers, maintaining inventory, and managing a large staff. Understanding such concepts as food safety, hygiene, customer relations, marketing, and using a point-of-sale system are crucial to be an effective restaurateur. Whether you are hoping to operate a casual sit-down eatery, oversee a fine dining establishment, or buy a food franchise, this course is the perfect first step. **Additional materials required.*

Human Services
Grades 9-12
0.5 credits
LMS: eDynamic

Cosmetology: Cutting Edge Styles, LMS: eDynamic
We all want to look our best, but did you know there is actually a science behind cutting your hair and painting your nails? In Cosmetology: Cutting-Edge Styles, you will learn all about this often-entertaining field and how specialized equipment and technology are propelling our grooming into

the next century. Just like all careers, cosmetology requires certain skills and characteristics, all of which are thoroughly explored in this course. You will learn about various beauty regimes related to hair, nails, skin, and spa treatments, and discover how to create your own business model quickly and efficiently while still looking fabulous, of course. **Additional materials required.*

Cosmetology 2: The Business of Skin & Nail Care, LMS: eDynamic
Helping people put their best face forward is a growing, vibrant industry which needs skilled and personable professionals well-versed in the latest trends and technological advances. In Cosmetology 2: The Business of Skin and Nail Care, experience what the day-to-day life of a cosmetologist is like. You will discover that cosmetology is much more than knowing and applying techniques. Additionally, you will explore skin care and facials, learn how to give manicures and pedicures and how to apply artificial nails, and gain an understanding of different hair removal techniques. Discover the next steps towards launching a rewarding and creative career in cosmetology. **Additional materials required.*

Cosmetology 3a: Introduction to Hair Skills, LMS: eDynamic
Cosmetology is a specialized field with a high skill set. Students taking this course will be exposed to the complexities of cosmetology by learning to perform a hair, scalp, and skin analysis. Students will also learn about hair types, face shapes, and color theory. Finally, to effectively prepare students for a career in cosmetology, color techniques with an emphasis on salon and chemical safety is examined. **Additional materials required.*

Cosmetology 3b: Waving, Coloring, and Advanced Hair Skills, LMS: eDynamic
Building on the prior prerequisite course, students will delve into the realm of hair styling and cutting techniques. Students will explore varieties of wigs, extensions, and hairpieces, while also developing knowledge about shampooing and conditioning. Manual curling and the use of chemicals to curl and straighten hair are highlighted in this course as well as safety when working with chemicals. Students can expect to be well versed with a plethora of hair skills upon completion.
*Additional materials required

Human & Social Services, LMS: eDynamic
Those working in the field of social services are dedicated to strengthening the economic and social well-being of others and helping them lead safe and independent lives. In Human and Social Services 1, you will explore the process of helping, body, mind, and family wellness, and how you can become a caring social service professional. If you are interested in an emotionally fulfilling and rewarding career and making a difference in the lives of others, social and human services may be the right field for you. **Additional materials required.*

Personal Fitness, LMS: eDynamic
What does being fit really mean? Is it just based on physical appearance or is it something deeper? Though we strive to be healthy and make sensible choices, it's difficult to know how to achieve this. It's not only about losing weight or lifting a heavy barbell; in Personal Fitness you will learn about body functions, safety, diet, goals, and strategies for longevity. Human beings, in both body and mind, are complex and highly sensitive organisms that need the right attention to physically excel and feel great. Being fit is about living life to the fullest and making the most of what you have—

yourself! Explore the world of healthy living and see how real fitness can be achieved through intention, effort, and just the right amount of knowledge.

Information Technology
Grades 9-12
0.5 credits
LMS: eDynamic

Coding 1a: Introduction to Programming, LMS: eDynamic
Have you ever wanted to create your own web page or wondered how your favorite websites were built? Maybe you want to know more about how computers and technology are affecting the world around us. In High School Coding 1a: Introduction to Programming, you will explore the role technology plays in our lives as well as study the fundamentals of computer science, review hardware and software, and learn how the internet functions. You will also discover how to create and build your own website using HTML and CSS and learn basic and complex commands and sequences as you become familiar with programming languages like JavaScript and Python Programming. This course also covers data collection methods, access rights, protocols, and security. **Additional materials required.*

Coding 1b: Programming, LMS: eDynamic
Are you passionate about technology? Do you love learning how things work and are excited about the idea of further exploring the world of computer science? If you thrived in Coding 1a: Introduction to Programming, now is your chance to build on that knowledge with Coding 1b: Programming. In this course, you will continue to cultivate an understanding of programming languages and expand on website development. You will learn the difference between web development and web application development as well as further explore Advanced Python, HTML, and JavaScript. You will also examine software engineering concepts, learn more about security, privacy, and ethics in technology, and explore the wide variety of careers in computing. **Additional materials required.*

Cybersecurity 1a: Foundations, LMS: eDynamic
We depend more and more on the technologies we interact with every day, and we put more and more of our personal data out there online. Can all of that data really be kept "secret"? We all need to know more about how to protect our personal information, especially given how much we rely on and use our network devices and media. You'll learn about the various parts of your computer, how they work together, and how you can manipulate them to keep your data safe. You'll also dive into the tools, technologies, and methods that will help protect you from an attack and discover the many opportunities in the rapidly growing field of cybersecurity. **Additional materials required.*

Cybersecurity 1b: Defense Against Threats, **LMS: eDynamic**
Ever wonder what it's like to be a hacker? Or think about who is trying to steal your passwords while you're shopping online using the free Wi-Fi at your local coffee shop? Unmask the cybersecurity threats around you by understanding hackers and identifying weaknesses in your online behavior. Learn to avoid the various types of cyberattacks, including those to your social media accounts, and to predict the potential legal consequences of sharing or accessing information that you do not have rights to. Dig into these crimes in depth by taking a look at cyber forensics and other cybersecurity

careers. In a world where such threats have no boundaries, cybersecurity will undoubtedly play an increasingly larger role in our personal and professional lives in the years to come. **Additional materials required.*

Foundations of Game Design 1a: Introduction, LMS: eDynamic
Does your love of video games motivate you to pursue a career in this field? Pursue your passion by learning about the principles of game design through the stages of development, iterative process, critiques, and game development tools. Put these new skills to work by designing your own game! **Additional materials required.*

Foundations of Game Design 1b: Storytelling, Mechanics, Production, LMS: eDynamic
Building on the prior prerequisite course, use your creativity to develop a game from start to finish! Develop your game creation skills and practice with the tools professionals use to launch your career options in the field of game design. The content of this course also applies to certification exams. **Additional materials required.*

Government & Public Administration, Law, Public Safety, Corrections & Security
Grades 9-12
0.5 credits
LMS: eDynamic

Criminology: Inside the Criminal Mind
Understanding the criminal mind is not easy. Why do certain people commit horrible acts? Can we ever begin to understand their reasoning and motivation? Perhaps. In Criminology: Inside the Criminal Mind, you will be given the rare opportunity to climb inside the mind of a criminal and examine the ideas and motivations at work. The mental state of a criminal can be affected by many different aspects of life-psychological, biological, sociological-all of which have differing perspectives and influences. You will investigate not only how these variables affect the criminal mind but also how the criminal justice system remains committed to upholding the law through diligence and an uncompromising process.

Forensics: The Science of Crime
Fingerprints. Blood spatter. DNA analysis. The world of law enforcement is increasingly making use of the techniques and knowledge from the sciences to better understand the crimes that are committed and to catch those individuals responsible for the crimes. Forensic science applies scientific knowledge to the criminal justice system. This course focuses on some of the techniques and practices used by forensic scientists during a crime scene investigation (CSI). Starting with how clues and data are recorded and preserved, the student will follow evidence trails until the CSI goes to trial, examining how various elements of the crime scene are analyzed and processed.

Military Careers
Most of us have seen a war movie; maybe it had a hotshot aviator or a renegade private or a daring Special Forces operative. But outside of these sensationalized portrayals, do you really understand how the military works or what it can do for you? The military offers far more career diversity than most people imagine, and Introduction to Military Careers will provide the information you need to gain a broader understanding of how to find the right fit. You will learn about the five military

branches—Air Force, Army, Coast Guard, Marines Corps, and Navy—and examine which jobs you might like to pursue. From aviation, to medicine, to law enforcement, the military can be an outstanding place to achieve your dreams in a supportive and well-structured environment.

Law & Order: Introduction to Legal Studies

Imagine if there were no laws and people could do anything they wanted. It's safe to say the world would be a pretty chaotic place! Every society needs some form of regulation to ensure peace in our daily lives and in the broader areas of business, family disputes, traffic violations, and the protection of children. Laws are essential to preserving our way of life and must be established and upheld in everyone's best interest. In Law and Order: Introduction to Legal Studies, you'll delve deeper into the importance of laws and consider how their application affects us as individuals and communities. Through understanding the court system and how laws are actually enacted, you will learn to appreciate the larger legal process and how it safeguards us all.

National Security

Do you know what it takes to keep an entire nation safe? It not only requires knowledge of how to handle disasters, but it also demands a cool head and tremendous leadership abilities. In National Security, you will have the opportunity to learn about the critical elements of the job, such as evaluating satellite information, analyzing training procedures, assessing military engagement, preparing intelligence reports, coordinating information with other security agencies, and applying appropriate actions to various threats. Put yourself in the position of the country's decisive leaders and develop your own knowledge base and skill set necessary to meet the requirements of our nation's most demanding career.

Principles of Public Service

Public service is a field that focuses on building a safe and healthy world, and you'll explore the many different career choices that are imperative to our comfort and success as a society. The protection of society is not only one of our greatest challenges, but it also provides ways for people to work together to ensure safety and provide indispensable services. If you have ever contemplated being one of these real-life heroes, now is the time to learn more!

Principles of Public Service: To Serve & Protect

Ambulances scream along, heading toward those in need. But who makes sure someone is there to answer the 9-1-1 call? When you take a pill, who has determined that drug is safe for the public? All of these duties are imperative to our comfort and success as a society. Public service is a field that focuses on building a safe and healthy world, and in Principles of Public Service: To Serve and Protect you will be introduced to its many different career choices. The protection of society is not only one of our greatest challenges, it also provides ways for people to work together to ensure

safety and provide indispensable services. If you've ever contemplated being one of these real-life heroes, now is the time to learn more.

Manufacturing

Introduction to Manufacturing: Product Design & Innovation, 0.5 Credit, LMS: eDynamic
Think about the last time you visited your favorite store. Now picture the infinite number of products you saw. Have you ever wondered how those things made it to the shelves? Whether it's video games, clothing, or sports equipment, the goods we purchase must go through a manufacturing process before they can be marketed and sold. In Introduction to Manufacturing: Product Design and Innovation, you will learn about different types of manufacturing systems as well as career opportunities, including engineers, technicians, and supervisors. As a culminating project, you will plan your own manufacturing process and create an entirely original product! If you thought manufacturing meant mundane assembly lines, this course will show you how exciting, creative, and practical this industry can be.

Marketing
Grades 9-12
0.5 credits
LMS: eDynamic

Advertising & Sales Promotion
What comes to mind when you think of 'marketing'? Perhaps a familiar television jingle plays in your head? Or maybe you think of those irritating sales phone calls? There's no denying the sheer magnitude and power of the marketing industry. Every year companies spend approximately $200 billion promoting their products and services—and that's just in the United States alone! You may be familiar with being on the receiving end of marketing, but what's it like on the other side? In Advertising and Sales Promotions, you'll see how these marketing campaigns, ads, and commercials are brought to life and meet some of the creative folks who produce them. You'll learn about different marketing career opportunities and discover ways to be part of this exciting, fast-paced industry. **Digital camera or camera phone required*

Sports & Entertainment Marketing
The world of sports and entertainment is never boring. This field offers careers that combine entertainment with traditional marketing, but with a whole lot more glamour. Explore basic marketing principles while delving deeper into the multi-billion dollar sports and entertainment industry. Learn how professional athletes, sports teams, and famous entertainers are marketed as commodities and how the savvy people who handle these deals can become very successful.

Science, Technology, Engineering & Math (STEM)
Grades 9-12
0.5 credits
LMS: eDynamic

Anthropology 1: Uncovering Human Mysteries

What makes us human? Is it our ability to use language? Is it our abstract thinking skills or our use of tools and technology? In Anthropology 1: Uncovering Human Mysteries you will trace the history of homo sapiens and explore our evolutionary trail. This course offers an anthropological lens to observe our movement from cave dweller to modern human. It sheds light on how we forged our way and developed all of the things that make us human, such as our cultures, languages, and religions. We, as humans in the 21st century, are highly intelligent, innovative people with astounding technological ability—how did we get this way.

Anthropology 2: More Human Mysteries Uncovered

How does your culture influence you? Find out how different locations shape various cultures and, in turn, how these cultures shape people's lives around the world—from the jungles of the Amazon to the islands of Indonesia. Anthropology II: More Human Mysteries Uncovered provides a fascinating look at this puzzle of culture. Many of our ancient cultures and languages were shaped by the geographical locations of our ancestors, and in this course, you will begin to visualize new ideas about how ancient cultures flourished through examining their views on life, death, art, and survival. In looking back and learning about cultures through the ages, we are better equipped to understand the world around us today.

Archaeology: Detectives of the Past

The famous Spanish philosopher and writer George Santayana once said, "Those who cannot remember the past are condemned to repeat it." We know from studying history how true this statement is, and the age-old field of archaeology helps us to better understand, through discovery and analysis, how ancient civilizations have shaped the modern world. This fascinating course, Archaeology: Detectives of the Past, explores the various techniques, methods, and theories of this field and illustrates how archaeologists conduct their studies. What is it like to uncover precious artifacts? How are they located and preserved? Find the answer to these questions and more as you learn how ancient discoveries can unlock the secrets of a long and colorful past.

Astronomy: Introduction 1A

Ever wondered how the Earth developed and exists in the vastness of space? How do the scientific laws of motion and gravity play a role in its existence? Discover answers to these questions and explore the origin of the universe, the Milky Way, and other galaxies and stars, including the concepts of modern astronomy and the methods used by astronomers to learn more about the universe.

Astronomy: Exploring the Universe 1B

Ready to explore our amazing and dynamic universe even further? You'll be taken on an exciting journey through the solar system to explore the sun, comets, asteroids, meteors, life cycles of stars, and planets' properties. Become familiar with the concepts of space travel and settlements, and what it could be like to live and work in space. How exciting!

Biotechnology: Introduction 1A
Biotechnology is a cutting-edge, high-demand field that encompasses everything from plant and animal breeding to genetics. Discover how biotechnology has changed the world around us, from food to genetics. Explore historical applications with modern discoveries. Understand how regulations and ethics govern the course of biotechnology and learn of its importance to the field of medicine.

Biotechnology: Unlocking Nature's Secrets 1B
Dig deeper into the world of biotechnology! Learn how and why biotechnology is so important to the agricultural, pharmaceutical, and genetic fields of study. You'll learn about mapping the human genome, the role of antibiotics, how medicine is created to combat diseases, and the future of the biotechnology field. It's time to explore the depth and breadth of this fascinating field!

Concepts of Engineering & Technology
What if you could do the impossible? Engineers understand a lot of things, but the word impossible definitely isn't one of them. Through Concepts of Engineering and Technology, you'll learn how the momentum of science is continually propelling engineers in new directions towards a future full of insight and opportunity. This course explores the different branches of engineering and how problem-solving, sketching, collaboration, and experimentation can change the very fiber of our human lives. This ever-increasing knowledge can also lead to serious ethical dilemmas and the need to discuss where the boundaries of science lie (or even if there should be boundaries). By examining astounding engineering feats and complex ongoing issues, you, too, will begin to question whether the word impossible really exists.

Great Minds in Science: Ideas for a New Generation
Does life exist on other planets? Will the issue of global warming ever be solved? Today, scientists, explorers, and writers are working to answer such questions. Like such famous minds from history as Edison, Einstein, Curie, and Newton, today's scientists are finding ways to revolutionize our lives and the world. Explore the extraordinary work of past individuals and how their ideas may very well shape the world of tomorrow.

Marine Science: Secrets of the Blue
Have you ever wondered about the secrets of the deep, and how the creatures below the ocean's surface live and thrive? It is truly a new frontier of discovery, and in Marine Science you will begin to better understand the aquatic cycles, structures, and processes that generate and sustain life in the sea. Through the use of scientific inquiry, research, measurement, and problem solving, you will conduct various scientific procedures that will lead to an increased level of knowledge about Marine Science. You will also have the opportunity to use technology and laboratory instruments in an academic setting. By recognizing the inherent ethics and safety procedures necessary in advanced experiments, you will become progressively more confident in your abilities as a capable marine scientist.

Introduction to Renewable Technologies
Cars that run on used vegetable oil. Electricity produced from your garbage. A windmill made from spare bicycle parts that pumps water to crops. Energy is life. So, how do we address the world's growing concerns about energy sources? Where will it come from in the future? How can energy be

something sustainable, renewable, and accessible? Introduction to Renewable Technologies begins to uncover the development of new energy technologies and explores how recent approaches to generating, storing, and creating this precious resource have evolved. By gaining a larger understanding of this challenge, we, as thoughtful people, can implement real change and unlock the solution needed for a safer, cleaner, and more enduring world.

Veterinary Science: The Care of Animals
Lions and tigers and bears (oh my!) Whether you want to step into the wild side of veterinary medicine or just take care of the furry dogs and cats down your street, Veterinary Science: The Care of Animals will show you how to care for domestic, farm, and wild animals and diagnose their common diseases and ailments. Learn how different veterinary treatments are used and developed to improve the lives of animals and, as a result, the lives of those people who treasure them. If you have always been drawn to the world of our furry, scaly, and feathered friends, this may be just the course for you.

Arts & Business Electives
Grades 9-12
0.5 credit
LMS: eDynamic

African American History
Over the course of U.S. history, how have African Americans helped shape American culture? This African American History course answers that question by tracing the accomplishments and obstacles of African Americans beginning with the slave trade and continues up to the modern Civil Rights movement. What was it like during slavery, or after emancipation, or during the years of discrimination under Jim Crow? Who were some of the main figures who have shaped African American history? In this course, you'll learn about the political, economic, social, religious, and cultural factors that have influenced African American life, come face to face with individuals who changed the course of history, and explore how the African American story still influences current events today.

American Sign Language 1a: Introduction
Did you know that American Sign Language (ASL) is the third most commonly used language in North America? American Sign Language 1a: Introduction will introduce you to vocabulary and simple sentences, so that you can start communicating right away. Importantly, you will explore Deaf culture – social beliefs, traditions, history, values and communities influenced by deafness.
**Additional Materials Required*

American Sign Language 1b: Learn to Sign – Grades 9-12, 0.5 Credit, Vendor – eDynamic
The predominant sign language of Deaf communities in the United States, American Sign Language is a complex and robust language. American Sign Language 1b: Learn to Sign will introduce you to more of this language and its grammatical structures. You will expand your vocabulary by exploring interesting topics like Deaf education and Deaf arts and culture. **Additional Materials Required.*

American Sign Language 2a: Communication
Building upon the prior prerequisite course, emphasis in this course is placed upon comprehension and signing. Learners will also continue to establish their communication skills and foster their understanding of deaf culture. In addition to learning classifiers, glossing, and mouth morphemes, students will explore vocabulary for descriptions, directions, shopping, making purchases, and dealing with emergencies. *Additional Materials Required

American Sign Language 2b: Advancing Communication
Building upon the prior prerequisite course, students will increase their proficiency by learning about sequencing, transitions, role-shifts, and future tenses. Students will learn how to tell a story and ask questions, benefiting with greater exposure to deaf culture. Speed, conversations, signing skills, and cultural awareness are characteristic of this course. **Additional Materials Required.*

Gothic Literature: Monster Stories
Vampires, ghosts, and werewolves have lived in our collective imagination since the 18th century, and they continue to influence the world of fiction even today. Gothic Literature: Monster Stories focuses on the major themes found in Gothic literature and demonstrates the techniques writers use to produce a thrilling psychological experience for the reader. The themes of terror versus horror, the power of the supernatural, and the struggle between good and evil are just a few of the classic Gothic subjects explored in this course. Are you brave enough to go beyond the fear and find an appreciation for the dark beauty of Gothic stories?

History of the Holocaust
"Never shall I forget that night, the first night in camp, which has turned my life into one long night, seven times cursed, and seven times sealed." Elie Wiesel, a Holocaust survivor, wrote these words about his experiences in a Nazi concentration camp. History of the Holocaust will take you through the harrowing details of anti-Semitism, the power of the Nazi party, the persecution of European Jews and other groups, and the tremendous aftermath for everyone involved in World War II. You'll explore the causes of the Holocaust, the experiences of Jews and other individuals during this time, and what has been done to combat genocide since WWII. "For the dead and the living, we must bear witness…"

Human Geography: Our Global
Modern humans have been roaming the earth for about 200,000 years. How do the places we live influence the way we live? How do geography, weather, and location relate to our customs and lifestyles? In Human Geography: Our Global Identity, you will explore the diverse ways that different people have physically influenced the world around them and how they, in turn, are changed by their surroundings. Discover how beliefs and ideas spread through time, shaping and changing the cultures they encounter. In this course, you'll gain tremendous insight into human geography and begin to better understand the important relationship between humans and their environments.

AP Courses

Grades 10-12
1.0 credit
LMS: ACC. ED, Edmentum

AP Biology, Grades 10-12, LMS: Edmentum
To generate skills for lifelong learning, 25 percent of the lessons in Advanced Biology use student-driven, constructivist approaches for concept development. The remaining lessons employ direct-instruction approaches. In both cases, the lessons incorporate multimedia-rich, interactive resources to make learning an engaging experience. The AP approach to advanced biology topics helps students achieve mastery of abstract concepts and their application in everyday life and in STEM-related professions.

AP Calculus AB, Grade 12, LMS: ACC. ED
This AP Calculus course is designed with the intent for students to incorporate the concepts of all previous math courses and expand upon these concepts with the implementation of Limits. Emphasis is placed upon the multi-representational approach to calculus where problems and their solutions are explored and interpreted graphically, numerically, analytically, and verbally. Students will also be required to explain their answers in written form and will be asked to compare their written responses to the AP grading rubric and explain why they feel they should receive that grade. Students are required to use graphing calculators with the capabilities ascribed by the College Board: (apcentral.collegebaord.com). These calculators will be used in a variety of ways including multi-representation of equations (graphs and tables) and also for conducting explorations with various functions and how different values change the look of function.

AP Calculus AB, Grade 12, LMS: ACC. ED
This college-level, yearlong course prepares students for the Advanced Placement (AP) Calculus AB Exam. Major topics of study in this full-year course include a review of pre-calculus, limits, derivatives, definite integrals, mathematical modeling of differential equations, and the applications of these concepts. Emphasis is placed on the use of technology to solve problems and draw conclusions. The course utilizes a multi-representative approach to calculus with concepts and problems expressed numerically, graphically, verbally, and analytically.

AP Calculus BC, Grade 12, LMS: ACC. ED

This AP Calculus course is designed with the intent for students to incorporate the concepts of all previous math courses and expand upon these concepts with the implementation of Limits. Emphasis is placed upon the multi-representational approach to calculus where problems and their solutions are explored and interpreted graphically, numerically, analytically and verbally. Students will also be required to explain their answers in written form and will be asked to compare their written response to the AP grading rubric and explain why they feel they should receive that grade. Students are required to use graphing calculators with the capabilities ascribed by the College Board: (apcentral.collegeboard.com). These calculators will be used in a variety of ways including multi-representation of equations (graphs and tables) and also for conducting explorations with various functions and how different values change the look of the function. *A graphing calculator is required for this course.*

AP Chemistry- Grades 10-12, LMS: Edmentum

Advanced Chemistry includes most of the 22 laboratory experiments recommended by the College Board to provide a complete advanced experience in a blended environment. More than 25 percent of the online lesson modules are inquiry-based and employ online simulations, data-based analysis, online data-based tools, and kitchen sink labs that require no specialized equipment or supervision. Many of the lessons include significant practice in stoichiometry and other critical, advanced chemistry skills.

AP Computer Science - Grades 10-12, LMS: Edmentum

This course is designed to introduce students to the basic concepts of computer programming. Students learn how to compile and run a Java program. They learn to use arithmetic, relational, and logical operators. They learn to use different decision-making and loop statements. They learn to create classes, methods, String objects, and an ArrayList object. They learn to perform sequential search, binary search, selection sort, and insertion sort on an array. They learn to implement object-oriented programming design. They learn to implement inheritance, polymorphism, and abstraction. Further, they describe privacy and legality in the context of computing.

AP English Language & Composition

Grades 10-12
1.0 credit

LMS: ACC. ED

This course is the first semester of a full credit course that provides instruction on all the competencies needed to be successful on the Advanced Placement test from College Board. The course is designed to develop student awareness of how an author creates meaning through language use, genre conventions, and rhetorical choices. In addition, students are expected to write and analyze persuasive arguments. According to the English Language and Composition guidelines outlined on the AP website, the course “engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes” (English Language and Composition homepage, p.6). This course will help you to read with deeper understanding and write more powerfully and effectively. Our writing assignments include rhetorical analyses, personal essays, argumentative essays,

expository essays, evaluation essays, journal entries, and more. You should plan on having an hour to devote to AP English homework every night. Access to a computer is essential as is regular attendance at class. The pace and level of work in this class is not easily made up just by getting the notes from someone.

LMS: EDG

This college-level course prepares students for the AP® English Language and Composition Exam while exploring and analyzing a variety of rhetorical contexts. This is a fast-paced, upper level course designed for highly motivated students. Multiple opportunities are provided to enhance test-taking skills through critical reading, writing, classroom assignments, and discussion activities. AP English Language and Composition practice assessments and essays will be given throughout the course as well. This course provides students an opportunity to increase knowledge concerning prose of many styles and genres, including essays, journalistic writing, political writing, science writing, nature writing, autobiographies/biographies, diaries, speeches, history writing, and critical writing. Throughout the course, there is an intense focus on writing and revising expository, analytical, and argumentative essays to prepare students for a broad range of writing purposes.

AP English Literature & Composition

Grades 10-12

1.0 credit

LMS: ACC. ED

English Literature and Composition is designed to be a college/university-level course. This course equips students to critically analyze all forms of literature in order to comment insightfully about an author's or genre's use of style or literary device. Students will also interpret meaning based on form; examine the trademark characteristics of literary genres and periods; and critique literary works through expository, analytical, and argumentative essays. As students consider styles and devices, they will apply them to their creative writing. In addition to exposing students to college-level English course work, this course prepares them for the AP English Literature and Composition Exam.

LMS: EDG

In this course, the equivalent of an introductory college-level survey class, students are immersed in novels, plays, poems, and short stories from various periods. Students read and write daily, using a variety of multimedia and interactive activities, interpretive writing assignments, and discussions. The course places special emphasis on reading comprehension, structural and critical analysis of written works, literary vocabulary, and recognizing and understanding literary devices. Students prepare for the AP Exam and for further study in creative writing, communications, journalism, literature, and composition. PREREQUISITES: Success in Honors Literary Analysis and Composition II (or equivalent) or Honors American Literature (or equivalent), and teacher/school counselor recommendation.

AP Environmental Science, LMS: EDG

Environmental Science is a laboratory and field-based course designed to provide students with the content and skills needed to understand the various interrelationships in the natural world, to

identify and analyze environmental problems, and to propose and examine solutions to these problems. Since this is an online course, the laboratory and field-based activities will be completed virtually and via experiments that students can easily perform at home with common materials. The course is intended to be the equivalent of a one-semester, college-level ecology course, which is taught over a full year in high school. The course encompasses human population dynamics, interrelationships in nature, energy flow, resources, environmental quality, human impact on environmental systems, and environmental law.

AP European History, LMS: ACC. ED

This AP study of European history since 1300 introduces students to economic, cultural, social and political developments. These developments played a fundamental role in shaping the world in which they live. Students will also be introduced to the birth of modern political thought, the Great Depression and World War II. Students will study the Cold War and the collapse of communism and wrap up with the dawn of the 21st Century. Students will complete a project at the end of each unit with the final project being a critical analysis.

AP French Language and Culture, LMS: EDG

French Language and Culture is an advanced language course in which students acquire proficiencies that expand their cognitive, analytical, and communicative skills. The course prepares students for the AP® French Language and Culture Exam. It uses as its foundation the three modes of communication (interpersonal, interpretive, and presentational) as defined in the Standards for Foreign Language Learning in the Twenty-First Century. The course is designed as an immersion experience requiring the use of French exclusively. The online learning coach only uses French to communicate with students. In addition, all the reading, listening, speaking, and writing is in French. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. The course contains a forum where students share their opinions and comments about various topics and comment on other students' posts. The course makes great use of the Internet for updated and current material.

AP Spanish Language, LMS: EDG

Spanish Language and Culture is an advanced language course in which students acquire proficiencies that expand their cognitive, analytical, and communication skills. The course prepares students for the AP® Spanish Language and Culture Exam. It uses as its foundation the three modes of communication (interpersonal, interpretive, and presentational) as defined in the Standards for Foreign Language Learning in the Twenty-First Century. The course is designed as an immersion experience and is conducted almost exclusively in Spanish. In addition, all student work, practices, projects, participation, and assessments are in Spanish. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. In addition, students participate in a forum where they are able to share their opinions and comments about various topics and comment on other students' posts. The course also makes great use of the Internet for updated and current material.

AP Physics, 0.5 Credit, LMS: ACC. ED

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their

understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Twenty-five percent of instructional time is devoted to hands-on laboratory work with an emphasis on inquiry-based investigations. Investigations will require students to ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress. **A graphic calculator is required for this course.*

AP Psychology, 0.5 Credit, LMS: EDG

Psychology will introduce students to the systematic study of the behavior and mental processes of human means and animals. Students are exposed to the psychological facts, principles, and phenomena associated with the major fields within psychology. Students also learn about the methods psychologists use in their science and practice. The major aim of this course is to provide each student with a learning experience equivalent to that obtained in most introductory college psychology courses. In addition, this course has been designed to help students successfully achieve a passing score on the AP® Psychology exam.

AP Statistics, 0.5 Credit, LMS: EDG

This course is the equivalent of an introductory college-level course. Statistics the art of drawing conclusions from imperfect data and the science of real-world uncertainties plays an important role in many fields. Students collect, analyze, graph, and interpret real-world data. They learn to design and analyze research studies by reviewing and evaluating examples from real research. Students prepare for the AP Exam and for further study in science, sociology, medicine, engineering, political science, geography, and business. Prerequisites: Honors Algebra II (or equivalent) and teacher/school counselor recommendation.

AP U.S. Government & Politics, LMS: ACC. ED

This course examines the U.S. political system. Students in this course will discuss political ideology, the development of the political system and democratic institutions. Students should, according to the College Board, gain an “analytical perspective on government and politics in the United States.” Furthermore, students will study “both the general concepts used to interpret U.S. politics and the analysis of specific examples” throughout history. The class discussion will require that students acquire a “familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. politics.” The main emphasis of the course, however, is to be able to apply a basic comprehension of the U.S. political system to contemporary events.

AP U.S. History, LMS: ACC. ED

AP United States History is an intensive full year course divided into two semesters. The course focuses on exploring and analyzing American historical events, individuals and cultural trends. You will be prepared with the analytic skills and factual knowledge necessary to deal critically with the

problems and materials in United States History. This first semester course covers the time frame of 1492 to 1877, and the second semester course covers the time frame 1878 to present. This course is designed to prepare students for the Advanced Placement exam in United States History that is administered by the College Board Educational testing center. The class satisfies the United States History requirement for graduation.

AP World History, LMS: ACC. ED

AP World History is a challenging course that focuses on the interaction between diverse human societies primarily over the past one thousand years. The objective is for students to develop a greater comparative understanding of the causes and effects of such interactions upon different classes of peoples in different areas. Students will be assigned a college level text and numerous primary documents and scholastic articles to read. They will be expected to take extensive notes, be prepared to participate in discussions, and write a number of analytical, comparative, evolutionary, and document-based essays. Students will learn how to write thesis statements as well as organized essays in order to prepare them for the Advanced Placement Test.

NCAA Approved Electives

English

Grades 9-12

1.0 credit

English I (Composition)

LMS: ODY

Students should enter this course with a foundation in fiction, drama, poetry, mythology, and nonfiction. This course will provide students with the opportunity to build on that foundation. They will engage in in-depth analysis of more complex literature, view that literature from its historical perspective, and connect it to other arts. Students will write literary analysis, logical arguments, informational/explanatory texts, narratives, and focused research projects. These writing tasks will be both formal and informal. Additionally, they will engage in speaking and listening activities that use and incorporate media and technology. As a result of the reading, writing, speaking, and listening students will do in this course, they will grow their vocabulary and their understanding of how to communicate effectively by making skillful choices when expressing themselves with language. Curriculum decisions for this course are guided by the Common Core State Standards. These standards were developed to provide clear and consistent goals for student learning and to ensure that students have the skills they need to be successful beyond high school. These standards define what students need to know and be able to do by the end of each grade. In additional to defining grade-level skills, the ELA standards require that students be exposed to increasingly more complex texts to which they apply those skills. In order for curriculum to align to these standards, it must be both rigorous and relevant. It must also expose students to certain critical content. In English Language Arts, that content includes classic myths and stories from around the world, America's Founding Documents, Foundational American literature, and Shakespeare.

LMS: EDG

This freshman-year English course engages students in literary analysis and inferential evaluation of

great texts both classic and contemporary. While critically reading fiction, poetry, drama, and literary nonfiction, students will master comprehension and literary-analysis strategies. Interwoven in the lessons across two semesters are activities that encourage students to strengthen their oral language skills and produce clear, coherent writing. Students will read a range of classic texts including Homer's The Odyssey, Shakespeare's Romeo and Juliet, and Richard Connell's "The Most Dangerous Game." They will also study short, but complex texts, including influential speeches by Dr. Martin Luther King Jr., Franklin D. Roosevelt, and Ronald Reagan. Contemporary texts by Richard Preston, Julia Alvarez, and Maya Angelou round out the course.

English II (English Literature)

LMS: ODY

Grade 10 students will study literature that spans centuries, continents, and genres. Each of the four thematically integrated units encourages close study of this literature and its context. Students will gain valuable cultural insight as they read and write about works depicting the social, personal, religious, and political struggles and triumphs faced by people all over the world and all through history. Students will continue to build their literacy skills by engaging in focused reading, composition, speaking and listening activities, vocabulary study, and research. By the end of the course, students will have gained a broader perspective and will be well-prepared to apply that perspective to the study of American Literature in Grade 11.

LMS: EDG

Focused on application, this sophomore English course reinforces literary analysis and twenty-first century skills with superb pieces of literature and literary nonfiction, application e-resources, and educational interactives. Each thematic unit focuses on specific literary analysis skills and allows students to apply them to a range of genres and text structures. As these units' meld modeling and application, they also expand on training in media literacy, twenty-first century career skills, and the essentials of grammar and vocabulary. Under the guidance of the eWriting software, students also compose descriptive, persuasive, expository, literary analysis, research, narrative, and compare-contrast essays.

English III (American Literature)

Grades 9-12

1.0 rcedit

LMS: ODY

English III is a survey of American Literature and literary culture from its inception through the twentieth century. Students will explore the major literary forms, themes, authors, and periods of American Literature. They will understand how this literature represents the experiences of people native to America, those who immigrated to America, and those who were brought to America against their will. Emphasis is placed on a rhetorical analysis of the literature to determine how authors achieve a particular purpose or effect. Through focused readings, composition, speaking and listening activities, vocabulary study and research, students will continue to build the literacy skills they need to meet the challenges of high school and beyond.

LMS: EDG

This junior-year English course invites students to delve into American literature from early

American Indian voices through contemporary works. Students engage in literary analysis and inferential evaluation of great texts as the centerpieces of this course. While critically reading fiction, poetry, drama, and expository nonfiction, students master comprehension and literary analysis strategies. Interwoven in the lessons across two semesters are tasks that encourage students to strengthen their oral language skills and produce creative, coherent writing. Students read a range of short but complex texts, including works by Ralph Waldo Emerson, Emily Dickinson, Herman Melville, Nathaniel Hawthorne, Paul Laurence Dunbar, Martin Luther King, Jr., F. Scott Fitzgerald, Sandra Cisneros, Amy Tan, and Dave Eggers.

English IV (British & World Literature)

LMS: ODY

By twelfth grade, students have repeatedly peered through the window to humanity that literature has opened for them. Through it, they have gained valuable perspective on their world, past and present. Their close-textual interaction with literature over the past three years should have heightened their appreciation for those texts, improved their critical and analytical skills in reading and writing, enhanced their speaking and listening abilities, and enriched their academic and personal vocabulary. The window will now open on selected works of European literature from the twelfth century through the twenty-first century. Students will approach this literature chronologically, so they can see the influences on and evolution of the ideas and forms. Writing, research, and speaking assignments will continue to focus on formulating and expressing ideas and arguments about the readings. Particular emphasis will be placed on gaining critical perspective on the relationship between content and form and on synthesizing ideas into clear and concise prose and presentations.

LMS: EDG

This senior-level English course offers fascinating insight into British literary traditions spanning from Anglo-Saxon writing to the modern period. With interactive introductions and historical contexts, this full-year course connects philosophical, political, religious, ethical, and social influences of each time period to the works of many notable authors, including Chaucer, William Shakespeare, Queen Elizabeth I, Elizabeth Barrett Browning, and Virginia Woolf. Adding an extra dimension to the British literary experience, this course also exposes students to world literature, including works from India, Europe, China, and Spain.

Social Studies

Grades 9-12

1.0 credit

American History I, LMS: ODY

Odysseyware® U.S. History Foundations to Present covers early American exploration to the present

day, placing special emphasis on the politics of the 18th and early 19th centuries and the Civil War. These areas of focus target three major content strands; History, Geography, and Government, and Citizenship. Additionally, students will gain practice in writing essays and reports, covering topics like the Monroe Doctrine, the states' rights debate, the Lincoln- Douglas debates, isolationism, the New Deal, and the Korean conflict.

American History I, LMS: EDG

American History I is a yearlong course that dynamically explores the people, places, and events that shaped early United States history. This course stretches from the Era of Exploration through the Industrial Revolution, leading students through a careful examination of the defining moments that shaped the nation of today. Students begin by exploring the colonization of the New World and examining the foundations of colonial society. As they study the early history of the United States, students will learn critical-thinking skills by examining the constitutional foundations of the U.S. government. Recurring themes such as territorial expansion, the rise of industrialization, and the significance of slavery will be examined in the context of how these issues contributed to the Civil War and Reconstruction.

American History II

LMS: ODY

Odysseyware® American History II examines American history from the Civil War to the present day, placing special emphasis on the major political, economic, and social movements of the twentieth century. Students will explain the causes of sectionalism in the years leading up to the Civil War and be able to identify the major battles of the Civil War and their outcomes. Students will also describe the goals and results of Reconstruction policies; describe conditions in the United States at the turn of the twentieth century, including the effects of industrialization, immigration, and urbanization; explain the factors influencing U.S. expansionism in the early twentieth century; describe the reform movements of the Progressive Era; summarize U.S. involvement in World War I; describe the causes of the Great Depression; explain the long-term effects of the New Deal on American society; identify the major events of World War II; identify the origins of the Cold War and U.S. efforts to contain the spread of Communism; summarize the goals of the civil rights, countercultural, and women's movements; describe U.S. foreign policy in the post-Cold War era; and understand the key challenges facing American society in the late twentieth and early twenty-first centuries.

LMS: EDG

American History II is a yearlong course that examines the major events and turning points of U.S. history from the Industrial Revolution through the modern age. The course leads students toward a clearer understanding of the patterns, processes, and people that have shaped U.S. history. As students' progress through each era of modern U.S. history, they will study the impact of dynamic leadership and economic and political change on our country's rise to global prominence, the influence of social and political movements on societal change, and the importance of modern cultural and political developments. Recurring themes lead students to draw connections between the past and the present, between cultures, and between multiple perspectives.

World History

LMS: ODY

Odysseyware® World History explores the people, events, and ideas that have shaped history from the beginnings of human society to the present day. Student goals for this course include an ability to identify the characteristics of early human communities; describe the early river valley civilizations in Mesopotamia, Egypt, India, and China; describe the emergence of empires; explain the effects of the European exploration and colonization of the New World; identify the causes and outcomes of the political revolutions in France, Russia, and China; identify the characteristics of the Industrial Revolution; describe European Imperialism in Asia and Africa; compare and contrast the causes and results of the World Wars; understand the major events of the Cold War; describe the major issues affecting nations today, including globalization, population growth, pandemics, and immigration; summarize the history and growth of the major religions; and identify patterns of trade and migration.

LMS: EDG

This advanced study of world history combines historical thinking skills with the in-depth exploration of major course themes such as the interaction between humans and the environment; development and interaction of cultures; state-building, expansion, and interaction of economic systems; and more. Students engage in reading, writing, and discussion as they trace history from before the Common Era to the present.

Social Studies Electives

Grades 9-12
0.5 credits

Economics

LMS: ODY

Odysseyware® will provide students a strong foundation in basic economic principles in this half-credit course. Students will examine topics such as scarcity, economic roles of individuals, organizations, and institutions, factors that affect supply and demand, different market structures, market regulation, and the macro economy. Lessons and projects encourage students to examine a variety of problems from the viewpoint of an economist.

LMS: EDG

This course invites students to broaden their understanding of how economic concepts apply to their everyday lives—including microeconomic and macroeconomic theory and the characteristics of mixed-market economies, the role of government in a free enterprise system and the global economy, and personal finance strategies. Throughout the course, students apply critical-thinking skills while making practical economic choices. Students also master literacy skills through rigorous reading and writing activities. Students analyze data displays and write routinely and responsively in tasks and assignments that are based on scenarios, texts, activities, and examples.

U.S. Government

LMS: ODY

Government focuses on the American government. Students will learn about the history of

governments, the characteristics of the United States government, political parties, and voting. These areas of focus target two major content strands: History, and Government and Citizenship.

LMS: EDG

This semester-long course provides students with a practical understanding of the principles and procedures of government. The course begins by establishing the origins and founding principles of American government. After a rigorous review of the Constitution and its amendments, students investigate the development and extension of civil rights and liberties. Lessons also introduce influential Supreme Court decisions to demonstrate the impact and importance of constitutional rights. The course builds on this foundation by guiding students through the function of government today and the role of citizens in the civic process and culminates in an examination of public policy and the roles of citizens and organizations in promoting policy changes. Throughout the course, students examine primary and secondary sources, including political cartoons, essays, and judicial opinions. Students also sharpen their writing skills in shorter tasks and assignments and practice outlining and drafting skills by writing full informative and argumentative essays.

U.S. Government and Economics

LMS: ODY

Odysseyware® U. S. Government focuses on American and international governments. Students will learn about the history of governments, the characteristics of the United States government, political parties, and voting. These areas of focus target upon two major content strands: History, and Government and Citizenship. Additionally, students will gain practice in writing essays and reports, covering topics like elected officials and the Supreme Court. Economics will provide students a strong foundation in basic economic principles in this half-credit course. Students will examine topics such as scarcity, economic roles of individuals, organizations, and institutions, factors that affect supply and demand, different market structures, market regulation, and the macro economy. Lessons and projects encourage students to examine a variety of problems from the viewpoint of an economist.

LMS: EDG

Exploring the structure of the United States government on a national, state, and local level, this course challenges students to learn and understand fundamental concepts and philosophies that led to the creation of the United States Constitution. Students enrolled in this two-semester course analyze the political process, political parties, and influences that affect them both. Engaging, interactive content introduces economic concepts and encourages students to explore government and economics on a global scale. By instilling a thorough understanding of government and economics, this course inspires students to investigate what it means to be an American citizen.

Math

Grades 9-12

1.0 credit

Algebra I

LMS: ODY

Algebra I is a full year, high school credit course that is intended for the student who has successfully mastered the core algebraic concepts covered in the prerequisite course, Pre-Algebra. Within the Algebra I course, the student will explore basic algebraic fundamentals such as evaluating, creating, solving and graphing linear, quadratic, and polynomial functions.

LMS: EDG

This full-year course focuses on five critical areas: relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, expressions and equations, and quadratic functions and modeling. This course builds on the foundation set in the middle grades by deepening students' understanding of linear and exponential functions and developing fluency in writing and solving one-variable equations and inequalities. Students will interpret, analyze, compare, and contrast functions that are represented numerically, tabularly, graphically, and algebraically. Quantitative reasoning is a common thread throughout the course as students use algebra to represent quantities and the relationships among those quantities in a variety of ways. Standards of mathematical practice and process are embedded throughout the course, as students make sense of problem situations, solve novel problems, reason abstractly, and think critically.

Algebra II

LMS: ODY

Algebra II is a full-year, high school math course intended for the student who has successfully completed the prerequisite course Algebra I. This course focuses on algebraic techniques and methods in order to develop student understanding of advanced number theory, concepts involving linear, quadratic and polynomial functions, and pre-calculus theories. This course also integrates geometric concepts and skills throughout the units, as well as introducing students to basic trigonometric identities and problem solving.

LMS: EDG

This course focuses on functions, polynomials, periodic phenomena, and collecting and analyzing data. The course begins with a review of linear and quadratic functions to solidify a foundation for learning these new functions. Students make connections between verbal, numeric, algebraic, and graphical representations of functions and apply this knowledge as they create equations and inequalities that can be used to model and solve mathematical and real-world problems. As students refine and expand their algebraic skills, they will draw analogies among the operations and field properties of real numbers and those of complex numbers and algebraic expressions. Mathematical practices and habits of mind are embedded throughout the course, as students solve novel problems, reason abstractly, and think critically.

Geometry

LMS: ODY

Geometry is a full year, high school math course for the student who has successfully completed the prerequisite course, Algebra I. The course focuses on the skills and methods of linear, quadratic,

coordinate, and plane geometry. In it, students will gain solid experience with geometric calculations and coordinate plane graphing, methods of formal proof, and techniques of construction.r

LMS: EDG
This course formalizes what students learned about geometry in the middle grades with a focus on reasoning and making mathematical arguments. Mathematical reasoning is introduced with a study of triangle congruence, including exposure to formal proofs and geometric constructions. Then students extend what they have learned to other essential triangle concepts, including similarity, right-triangle trigonometry, and the laws of sines and cosines. Moving on to other shapes, students justify and derive various formulas for circumference, area, and volume, as well as cross-sections of solids and rotations of two-dimensional objects. Students then make important connections between geometry and algebra, including special triangles, slopes of parallel and perpendicular lines, and parabolas in the coordinate plane, before delving into an in-depth investigation of the geometry of circles. The course closes with a study of set theory and probability, as students apply theoretical and experimental probability to make decisions informed by data analysis.

Pre-Calculus- Grade 12, 1.0 Credit, Vendor- ODY/EDG: (Taught by BVA Teacher)

(ODY) Pre-Calculus is a full-year, high school credit course that is intended for the student who has successfully mastered the core algebraic and conceptual geometric concepts covered in the prerequisite courses: Algebra I, Geometry, and Algebra II. The course primarily focuses on the skills and methods of analytic geometry and trigonometry while investigating further relationships in functions, probability, number theory, limits, and the introduction of derivatives.

LMS: EDG
With an emphasis on function families and their representations, Pre-Calculus is a thoughtful introduction to advanced studies leading to calculus. The course briefly reviews linear equations, inequalities, and systems and moves purposefully into the study of functions. Students then discover the nature of graphs and deepen their understanding of polynomial, rational, exponential, and logarithmic functions. Scaffolding rigorous content with clear instruction, the course leads students through an advanced study of trigonometric functions, matrices, and vectors. The course concludes with a short study of probability and statistics.

Trigonometry
0.5 credit

LMS: ODY
Trigonometry is a five-unit elective course for high school students who have successfully completed Algebra I, Geometry, and Algebra II. The materials cover a development of trigonometry from right triangle trigonometry to oblique triangles and the polar plane. Throughout the course, students will develop trigonometric formulas and use them in real-world applications, evaluate trigonometric proofs using complex trigonometric identities and solving trigonometric equations with regard to the unit circle.

LMS: EDG
In this one-semester course, students use their geometry and algebra skills to begin their study of

trigonometry. Students will be required to express understanding using qualitative, quantitative, algebraic, and graphing skills. This course begins with a quick overview of right-triangle relationships before introducing trigonometric functions and their applications. Students explore angles and radian measures, circular trigonometry, and the unit circle. Students extend their understanding to trigonometric graphs, including the effects of translations and the inverses of trigonometric functions. This leads to the laws of sines and cosines, followed by an in-depth exploration of trigonometric identities and applications. This course ends with an introduction to the polar coordinate system, complex numbers, and De Moivre's theorem.

Science
Grades 9-12
1.0 credit

Biology

LMS: ODY
Biology is intended to expose students to the designs and patterns of living organisms and their interactions with the environment. In preceding years, students should have developed a foundational understanding of life sciences. Expanding on prior knowledge, this Biology course will incorporate more abstract knowledge. The student's understanding should encompass both the micro and macro aspects of life, and this biology course includes both. The major concepts covered are taxonomy, the chemical basis of life, cellular structure and function, genetics, microbiology, plant structure and function, animal structure and function, and ecology and the environment. Students at this level should show development in their understanding of scientific inquiry. The units contain experiments and projects that seek to develop a deeper conceptual meaning for students and that actively engage them. The continued exposure of science concepts and scientific inquiry will serve to improve the students' skills and understanding. Biology should be preceded or accompanied by an Algebra I course.

LMS: EDG
This compelling two-semester course engages students in the study of life and living organisms and examines biology and biochemistry in the real world. This is a yearlong course that encompasses traditional concepts in biology and encourages exploration of new discoveries in this field of science. The components include biochemistry, cell biology, cell processes, heredity and reproduction, the evolution of life, taxonomy, human body systems, and ecology. This course includes both hands-on wet labs and virtual lab options.

Chemistry

LMS: ODY
Chemistry is intended to provide a more in-depth study of matter and its interactions. In preceding years students should have developed an understanding for the macroscopic properties of substances and been introduced to the microstructure of substances. This chemistry course will expand upon that knowledge, further develop the microstructure of substances and teach the symbolic and mathematical world of formulas, equations, and symbols. The major concepts covered are measurement in chemistry, atomic structure, chemical formulas and bonding, chemical reactions, stoichiometry, gases, chemical equilibrium, and organic chemistry. Students at this level should show development in their ability and understanding of scientific inquiry. The units contain

experiments and projects that seek to develop a deeper conceptual meaning for the student and actively engage the student. The continued exposure of science concepts and scientific inquiry will serve to improve the student's skill and understanding. Chemistry should be preceded by an Algebra I course and preceded or accompanied by an Algebra II course.

LMS: EDG
This rigorous, full-year course engages students in the study of the composition, properties, changes, and interactions of matter. The course covers the basic concepts of chemistry and includes eighteen virtual laboratory experiments that encourage higher-order thinking applications, with wet lab options if preferred. The components of this course include chemistry and its methods, the composition and properties of matter, changes and interactions of matter, factors affecting the interactions of matter, electrochemistry, organic chemistry, biochemistry, nuclear chemistry, mathematical applications, and applications of chemistry in the real world.

Physics

LMS: ODY
Physics is intended to provide a more in-depth study of the physical universe. In preceding years students should have developed a basic understanding for the macroscopic and microscopic world of forces, motion, waves, light, and electricity. The physics course will expand upon that prior knowledge and further develop both. The curriculum will also seek to teach the symbolic and mathematical world of formulas and symbols used in physics. The major concepts covered are kinematics, forces and motion, work and energy, waves, sound and light, electricity and magnetism, and nuclear physics. Students at this level should show development in their ability and understanding of scientific inquiry. The units contain experiments and projects that seek to develop a deeper conceptual meaning for students and actively engage them. The continued exposure to science concepts and scientific inquiry will serve to improve the students' skill and understanding. Physics should be preceded by Algebra I and II courses and Geometry.

LMS: EDG
This full-year course acquaints students with topics in classical and modern physics. The course emphasizes conceptual understanding of basic physics principles, including Newtonian mechanics, energy, thermodynamics, waves, electricity, magnetism, and nuclear and modern physics. Throughout the course, students solve mathematical problems, reason abstractly, and learn to think critically about the physical world. The course also includes interactive virtual labs and hands-on lab options, in which students ask questions and create hypotheses.

Earth & Space Science

LMS: ODY
Odysseyware® designed Earth & Space Science as a basic course to further explore the designs and

patterns of our planet. This course covers such areas as the origin, history, and structure of the earth, forces that cause change on the earth, and features of the earth including the crust, water, atmosphere, weather, and climate. It wraps up with astronomy and a study of all the planets, the solar system, and galaxies. The course strives to teach that each feature of the earth interacts with the others in many critical ways, and the study of these relationships is important to humanity.

LMS: EDG

Students enrolled in this dynamic course explore the scope of Earth Sciences, covering everything from basic structure and rock formation to the incredible and volatile forces that have shaped and changed our planet. As climate change and energy conservation become increasingly prevalent in the national discourse, it will be important for students to understand the concepts and causes of our changing Earth. Earth Science is a two-semester course that provides a solid foundation for understanding the physical characteristics that make the planet Earth unique and examines how these characteristics differ among the planets of our solar system.

Environmental Science

LMS: ODY

Environmental Science is an interdisciplinary course covering a wide variety of topics including biology, physics, geology, ecology, chemistry, geography, astronomy, meteorology, oceanography, and engineering. The course also considers ways in which human populations affect our planet and its processes. Of special emphasis is the concept of sustainability as a means of using resources in a way that ensures they will always be around us.

LMS: EDG

Environmental Science is a captivating and rapidly expanding field, and this two-semester course offers compelling lessons that cover many aspects of the field such as ecology, the biosphere, land, forests and soil, water, energy and resources, and societies and policy. Through unique activities and material, high school students connect scientific theory and concepts to current, real-world dilemmas, providing them with opportunities for mastery in each of the segments throughout the semester.

Physical Science

LMS: ODY

Odysseyware® Physical Science is designed for high school students needing an entry-level science course covering basic concepts found in chemistry and physics. Topics included in this study are matter, motion and forces, work and energy, electricity and magnetism, and waves. Throughout the course, students will have opportunities to observe simulations, investigate ideas, and solve problems–both on screen and away from the computer.

LMS: EDG

This full-year course focuses on basic concepts in chemistry and physics and encourages exploration of new discoveries in the field of physical science. The course includes an overview of scientific principles and procedures and has students examine the chemical building blocks of our physical world and the composition of matter. Additionally, students explore the properties that affect motion, forces, and energy on Earth. Building on these concepts, the course covers the properties of electricity and magnetism and the effects of these phenomena. As students refine and expand their

understanding of physical science, they will apply their knowledge to complete interactive virtual labs that require them to ask questions and create hypotheses. Hands-on wet lab options are also available.

World Languages
Grades 9-12
1.0 credit

Spanish I-IV, LMS: ODY

Spanish I
Spanish I is an entry level high school foreign language course that explores the Spanish language through communication, culture, connections, comparisons, and communities. Spanish I, introduces students to the mechanics of the Spanish language, acquaints them with the cultural differences of Hispanic countries, and helps them gain a keen awareness of their own culture. Course materials are designed to support students as they work to gain a basic proficiency in speaking, listening, reading, and writing Spanish, and in cultural competency. In addition to the default course program, the Spanish I course includes extra alternate lessons, projects, and tests for use in enhancing instruction and/or addressing individual needs.

Spanish II
Spanish II is a high school foreign language course that builds upon skills and concepts taught in Spanish I, emphasizing communication, cultures, connections, comparisons, and communities. This course gives students practice using the mechanics of the Spanish language, acquaints them with the cultural differences of Hispanic countries, and helps them gain a keen awareness of their own culture. Course materials are designed to support students as they work to gain a basic proficiency in speaking, listening, reading, and writing Spanish, and in cultural competency. In addition to the default course program, Spanish II includes extra alternate lessons, projects, and tests for use in enhancing instruction or addressing individual needs.

Spanish III
Spanish III is a high school foreign language course that builds upon skills and concepts taught in Spanish II, emphasizing communication, cultures, connections, comparisons, and communities. Students will be able to speak and write accurately in Spanish, as well as become acquainted with the cultural differences of Hispanic countries while helping them gain a keen awareness of their own culture. Course materials are designed to support students as they work to gain a basic proficiency in speaking, listening, reading, and writing Spanish, and in cultural competency.

Spanish IV
In Spanish IV the student will continue to sharpen listening, speaking, reading and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Throughout the six units of material, students learn to express themselves in writing using an ever-increasing vocabulary along with high level grammar topics such as the use of past-tenses and past subjunctive verb forms. Culture is included throughout the course in an attempt to help the learner focus on the Spanish-speaking world and their culture, people, geographical locations and histories. The course is aligned to the national Foreign Language standards. There are several opportunities in

the course to connect with the instructor in order to practice real life speaking skills using the vocabulary and grammar presented in the units.

Spanish I-IV, LMS: EDG

Spanish I

Students begin their introduction to high school Spanish with fundamental building blocks in four key areas of foreign language study, which include listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.

Spanish II

High school students continue their introduction to Spanish with fundamental building blocks in four key areas of foreign language study, which include listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major Spanish-speaking areas in Europe and the Americas, and assessments.

Spanish III

In this expanding engagement with Spanish, high school students deepen their focus on four key skills in foreign language acquisition, which include listening comprehension, speaking, reading, and writing. In addition, students read significant works of literature in Spanish and respond orally or in writing to these works. Continuing the pattern and building on what students encountered in the first two years, each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.