**Unit 1**

Essential Characteristics of Life - <https://www.youtube.com/watch?v=bILvTe2_FEE>

The Hierarchy of Life - <http://www.youtube.com/watch?v=7xpONWAj4Go&list=PL7A750281106CD067>

Taxonomy: Life’s Filing System - <https://www.youtube.com/watch?v=F38BmgPcZ_I>

Positive & Negative Feedback Loops <https://www.youtube.com/watch?v=CLv3SkF_Eag>

**Unit 2**

Water & Life- <https://www.youtube.com/watch?v=ZScEgE55XTM>

Water – Liquid Awesome - <https://www.youtube.com/watch?v=HVT3Y3_gHGg>

That’s Why Carbon is a Tramp - <https://www.youtube.com/watch?v=QnQe0xW_JY4>

Biological Molecules-You Are What You Eat - <https://www.youtube.com/watch?v=H8WJ2KENlK0>

Proteins - <http://www.youtube.com/watch?v=2Jgb_DpaQhM&index=70&list=PL7A750281106CD067>

Nucleic Acids - <http://www.youtube.com/watch?v=NNASRkIU5Fw&list=PL7A750281106CD067>

Lipids - <http://www.youtube.com/watch?v=VGHD9e3yRIU&list=PL7A750281106CD067>

Carbohydrates- <http://www.youtube.com/watch?v=_zm_DyD6FJ0&list=PL7A750281106CD067>

**Unit 3**

Tour of the Cell - <http://www.youtube.com/watch?v=1Z9pqST72is>

Cellular Organelles- <http://www.youtube.com/watch?v=aczbMlSMr8U>

Eukaryopolis-TheCity of Animal Cells - <https://www.youtube.com/watch?v=cj8dDTHGJBY>

Plant Cells - <https://www.youtube.com/watch?v=9UvlqAVCoqY>

The Cell Membrane - <http://www.youtube.com/watch?v=S7CJ7xZOjm0>

In Da Club-Membranes and Transport - <https://www.youtube.com/watch?v=dPKvHrD1eS4>

Transport across Cell Membranes - <http://www.youtube.com/watch?v=RPAZvs4hvGA>

Photosynthesis & Cell Respiration - <http://www.youtube.com/watch?v=0IJMRsTcwcg>

ATP and Respiration - <https://www.youtube.com/watch?v=00jbG_cfGuQ>

Photosynthesis - <https://www.youtube.com/watch?v=sQK3Yr4Sc_k>

**Unit 4**

Cell Cycle, Mitosis, & Meiosis - <http://www.youtube.com/watch?v=2aVnN4RePyI>

Mitosis: Splitting Up is Complicated - <https://www.youtube.com/watch?v=L0k-enzoeOM>

Meiosis: Where the Sex Starts - <https://www.youtube.com/watch?v=qCLmR9-YY7o>

**Unit 5**

Genetics - <http://www.youtube.com/watch?v=ya7h-Y-9l8c&list=PL7A750281106CD067>

Heredity - <https://www.youtube.com/watch?v=CBezq1fFUEA>

A Beginner’s Guide to Punnett Squares - <http://www.youtube.com/watch?v=Y1PCwxUDTl8&list=PL7A750281106CD067>

Chromosomal Genetics - <http://www.youtube.com/watch?v=rIe7mPXkYhs&list=PL7A750281106CD067>

**Unit 5 Part II**

DNA Replication - <http://www.youtube.com/watch?v=FBmO_rmXxIw&list=PL7A750281106CD067>

DNA Structure and Replication - <https://www.youtube.com/watch?v=8kK2zwjRV0M>

Transcription & Translation

<http://www.youtube.com/watch?v=h3b9ArupXZg&list=PL7A750281106CD067>

DNA, Hot Pockets and the Longest Word Ever - <https://www.youtube.com/watch?v=itsb2SqR-R0>

Mutations- <http://www.youtube.com/watch?v=eDbK0cxKKsk&list=PL7A750281106CD067>

**Unit 6**

Evidence for Evolution - <http://www.youtube.com/watch?v=cC8k2Sb1oQ8&list=PL7A750281106CD067>

Selection - <http://www.youtube.com/watch?v=W6eZ7zIIOas&list=PL7A750281106CD067>

Natural Selection - <https://www.youtube.com/watch?v=aTftyFboC_M>

Speciation: Of Ligers and Men - <https://www.youtube.com/watch?v=2oKlKmrbLoU>

**Unit 7**

Biogeochemical Cycling- <http://www.youtube.com/watch?v=09_sWPxQymA&list=PL7A750281106CD067>

Ecological Succession - <http://www.youtube.com/watch?v=V49IovRSJDs&list=PL7A750281106CD067>

**Misc**

Organ Systems <https://www.youtube.com/watch?v=dZQMjZRv16E>

The Nervous System - <https://www.youtube.com/watch?v=x4PPZCLnVkA>

Great Glands: Your Endocrine System - <https://www.youtube.com/watch?v=WVrlHH14q3o&list=PLREADPPqpV2fyZndVQ0xtkzLshoqh28sw>

Cellular Specialization <https://www.youtube.com/watch?v=jp6L5emD8rw>

Homeostatic Disruptions <https://www.youtube.com/watch?v=zrme9a_GMD8>

Mechanisms of Timing and Control <https://www.youtube.com/watch?v=dju6tTb55Fw>