**AP Biology**

**Unit 7 – Biological Evolution**

Unit Test – TBD

Topics:

* Chapter 22 -- Descent with Modification: A Darwinian View of Life
  + Historical Context for Evolutionary Theory
  + Darwin’s Voyage and *The Origin of Species*
* Chapter 23 -- Natural Selection
  + Homologies
  + The Evolution of Populations
  + Gene Pools, Allele Frequencies, Hardy-Weinberg Theorem
  + Causes of Microevolution
  + How Genetic Variation is the Substrate for Natural Selection
  + Modes of Selection (directional, diversifying & stabilizing)
* Chapter 24 -- The Origin of Species
  + What is a Species?
  + Modes of Speciation
* Phylogeny and Systematic
  + The Fossil Record (Chapter 25)
  + Modern Phylogenetic Systematics based on Cladistic Analysis (Chapter 26)