**WEEK 3: DNA and Genetics Resources Part 1**

**Overall Resource Pages**

DNA Interactive: <http://www.dnai.org/index.htm>

* Through this website you can explore a timeline about DNA research learn about the structure, how it works, and applications of our knowledge.

Learn Genetics: Basic Genetics: <https://learn.genetics.utah.edu/content/basics/>

* This resource has a variety of videos and interactives that give a basic explanation of pretty much every genetic concept.

DNA Structure and Replication: <https://www.ck12.org/biology/dna-structure-and-replication/lesson/DNA-Structure-and-Replication-BIO/>

* Describes the DNA double helix and how DNA is copied during DNA replication in a semi-conservative manner.

**Videos**

* Teacher’s Pet: DNA Structure:<https://www.youtube.com/watch?v=C1CRrtkWwu0>
* Amoeba Sisters:DNA, Chromosomes, Genes, and Traits: An Intro to Heredity: <https://www.youtube.com/watch?v=8m6hHRlKwxY>
* Amoeba Sisters: DNA vs RNA: <https://www.youtube.com/watch?v=JQByjprj_mA>

**Interactives**

BioCoach Activity: DNA Structure and Replication: <http://www.phschool.com/science/biology_place/biocoach/dnarep/intro.html>

# DNA Structure (Interactive Tutorial): <https://sciencemusicvideos.com/ap-biology/module-13-dna-discovery-structure-and-replication-menu/dna-structure-ap-level-tutorial/>

Transcribe and Translate a Gene: <https://learn.genetics.utah.edu/content/basics/transcribe/>

* This interactive walks you through the process of transcription and translation