AP BIOLOGY

DNA

Essential Question

How does gene regulation relate to the continuity of life?

How is a species’ genetic information diversified from generation to generation?

Understandings

*Students will understand that:*

Knowledge:

*Students will know:*

Skills:

*Students will be able to:*

Curriculum Standards - 2019 College Board Course & Exam Description

Describe the structures involved in passing hereditary information from one generation to the next.

Describe the characteristics of DNA that allow it to be used as the hereditary material.

Describe the mechanisms by which genetic information is copied for transmission between generations.

Explain the use of genetic engineering techniques in analyzing or manipulating DNA.

Mission Integration

(*Note: could be combined with performance task/design thinking culminating assessment)*

Performance Task or Design Thinking Culminating Assessment

Other Evidence (formative assessments, summative assessments)

*what homework and other out of class experiences are needed to equip students?*

Topic Overview

*Order of topics presented (Calendar)*

Learning Plan

*Learning Activities - What experiential or inductive learning will help students to explore the big ideas and questions to achieve desired understandings? for their expected performances?*

Resources