

Honors Principles of Biomedical Sciences ▶ *H/N*

Course Number: 139050 A/B

Grade: 9-12

Length: 1 year

Fee: \$25

No. of Credits: 2 credits (1 credit per semester) **Type of Credit:** Elective

Prerequisite: None

Notes: Weighted grade status. This is the first year of a 4 year curriculum. See below for summary description of progressive courses.

Description: Students investigate various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, research processes. This course provides an overview of all the courses in the Biomedical Sciences program and lay the scientific foundation for subsequent courses.

- Principles of Biomedical Sciences II – (Human Body Systems) – Students examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis,
- Principles of Biomedical Sciences III – (Medical Intervention) – Students will investigate the variety of interventions involved in the prevention, diagnosis, and treatment of disease as they follow the lives of a fictitious family.
- Principles of Biomedical Sciences IV – (Biomedical Innovations) – Students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences.



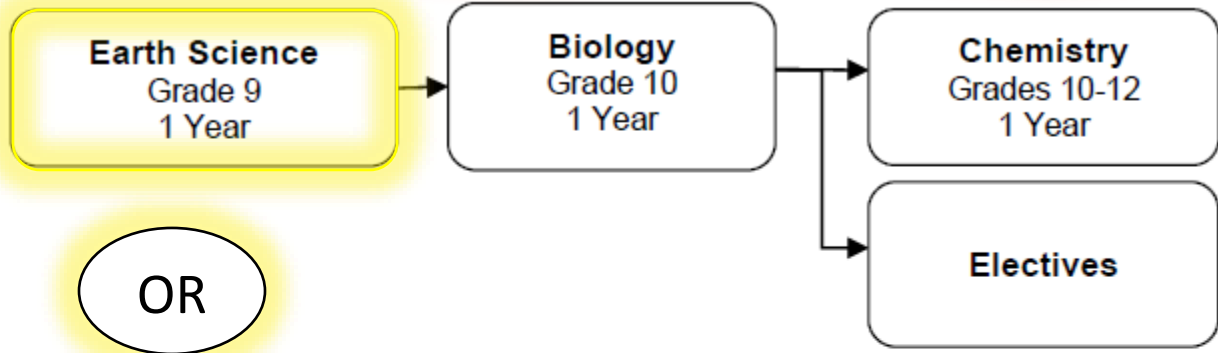
Crime Scene Lab



Energy in Food Lab

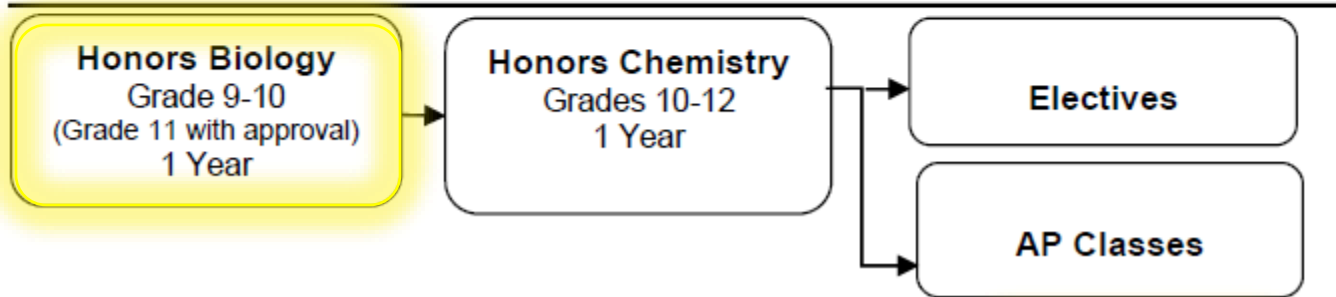
PLTW courses are a separate track of elective courses, so a science course will have to be taken along with the PLTW Principles of Biomedical Science class. Please refer to the flow charts below. If you have any questions, please feel free to email me at Kelly.newcomb@asd20.org

Science Core Courses



OR

Honors Courses



PLTW Pathway— Elective Courses

