

IB/AP Biology

This class is designed to extend your knowledge of Biology and prepare you to take either the IB or AP Biology exams. The focus of our objectives are on topics these exams focus on. Lab work and class discussion of topics will be the focus of class time as much as possible. In addition to learning content, scientists need to be able to ask questions, make connections, design and conduct experiments, cooperate with colleagues, persevere, and be responsible. Scientists need to be able to communicate effectively with their peers, and this will factor into our course. All of these items will be stressed in this course.

Syllabus

First Quarter

Ecology
Water
Plants
Cells
Macromolecules
Enzymes

Second Quarter

Cellular Respiration and Photosynthesis
Cell Division
Genetics
Nucleic Acids

Third Quarter

Biotechnology
Classification and Phylogeny
Evolution

Fourth Quarter

Human Anatomy and Physiology