



## Advanced Placement Biology Student Reflection

This course is designed around the AP Biology Curriculum Framework, and is centered on the four big ideas outlined by the College Board:

**Big Idea 1:** The process of evolution drives the diversity and unity of life.

**Big Idea 2:** Biological systems utilize free energy and molecular building blocks to grow, to reproduce, and to maintain dynamic homeostasis.

**Big Idea 3:** Living systems store, retrieve, transmit, and respond to information essential to life processes.

**Big Idea 4:** Biological systems interact, and these systems and their interactions possess complex properties.

Each big idea is supported by enduring understandings and essential knowledge, which are taught in relationship to each other and to the associated big idea(s). The AP Biology exam in May is not a test of memorization. Students taking the exam will have to demonstrate proficiency in the application and synthesis of knowledge throughout all sections of the exam

Topics covered in this course are chemistry and life, cells, cellular energetics, heredity, molecular genetics, evolutionary biology, diversity of organisms, structure and function of plants and animals, and ecology. This is a rigorous college level course that requires advanced reading and study skills.

Students should be very interested in science and enjoy using scientific reasoning and problem solving strategies. Students should exhibit **strong, college-level reading comprehension**. Students should be mature, self-reliant, and self-directed learners. It is strongly recommended that students have completed Honors Earth/Physical Science with a grade of A and Honors Chemistry with a B/B+ or higher. Concurrent Enrollment in CIS Anatomy and Physiology is available.

**Summer reading and study is required in this course.**

Please circle the appropriate responses in the table below and use this information as a guide to determine how prepared you are for success in this course.

Courses already taken	Year taken			Letter Grade Earned		
Honors Earth/Physical Science	9	10		A-	A	
Honors Biology	9	10	11	B+	A-	A
Honors Chemistry	9	10	11	B+	A-	A

Please circle the appropriate responses:		
I regularly perform strongly (85% or better) on all kinds of exams.	Yes	No
I am a mature, independent, & self-directed learner.	Yes	No
I quickly and easily comprehend college level reading.	Yes	No
I display an extremely strong interest in science.	Yes	No

### EASTVIEW HONORS CHARACTER STATEMENT

An Honors/AP/CIS student exemplifies the following characteristics necessary to achieve success:

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>⚡ academic initiative and enthusiasm</li> <li>⚡ self-motivation and an independent work ethic</li> </ul> | <ul style="list-style-type: none"> <li>⚡ high standard of honesty and reliability</li> <li>⚡ strong study skills</li> </ul> |
|---|---|