



+ AP Biology

Innovation Academy

2024-2025 School Year

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AP Course Overview

- + College Board encourages students to take AP courses in topics they are HIGHLY interested in
 - + They, along with Innovation, discourage taking AP courses to just “add to your resume”
- + Check the Reported Workloads for each course to ensure you can maintain the amount of time needed for success
- + Read the Essential Skills: do you have the skills needed to perform well in the class or are you just signing up because it is an AP course?

AP Biology

Student Reported Workload	Teacher Report Workload
5.9 Hours Per Week	5 Hours Per Week

Pre-requisites	Successfully Completed Honors Biology (unweighted 88 and above) concurrently enrolled/have completed Chemistry
Course Summary	The AP Biology course is an introductory college-level biology. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions.
Essential Skills	<ul style="list-style-type: none">•Independent learner who has strong problem-solving skills – making connections and apply content to real world phenomena.•Able to interpret and analyze science concepts and visual representations of processes.•Able to perform statistical tests, visualization of data, and interpret mathematical calculations to analyze and interpret data.•Able to develop and justify scientific arguments using evidence and scientific/data reasoning.

Topics

Unit 1: Chemistry of Life	8%–11%
Unit 2: Cell Structure and Function	10%–13%
Unit 3: Cellular Energetics	12%–16%
Unit 4: Cell Communication and Cell Cycle	10%–15%
Unit 5: Heredity	8%–11%
Unit 6: Gene Expression and Regulation	12%–16%
Unit 7: Natural Selection	13%–20%
Unit 8: Ecology	10%–15%



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