

AP Biology

Course	Dates	Schedule	Instructor
AP Biology	9/20/2026 - 5/2/2027 (12/27 off)	Sunday 6:00 PM – 7:30 PM	Ms. Ragone
Assessment Test	11/29/2026 2/14/2027 4/11/2027 4/25/2027	Sunday 6:00 PM - 9:00PM	

Course Description

The classes will include homework, quizzes and tests.

Lesson	Topics
1	Intro to AP Biology the Scientific Method & Standard Error
2	Unit 1 Biochemistry lesson 1 & 2 Properties of Water & Introduction to Macromolecules
3	Macromolecules carbohydrates, proteins, lipids & nucleic acids
4	recheck unit 1 topics - HW Unit 1 test - Begin Unit 2 Cell structure & Function

5	Cell Size & Plasma Membrane & Membrane Transport
6	Tonicity & Osmoregulation - recheck unit 2 - HW Unit 2 test
7	Unit 3 - Enzymes
8	Cellular Respiration
9	Photosynthesis - recheck unit 3 - HW Unit 3 test
10	Unit 4 Cell Communication - Introduction to cell signaling
11	Signal Transduction Pathways

Lesson	Topics
12	Feedback & Cell Cycle - recheck unit 4- HW Unit 4 test

13	Review Units 1- 4 HW - units 1-4 Test
14	Unit 5 Heredity - Meiosis & Genetic Diversity
15	Mendelian Genetics
16	Nonmendelian Genetics & Environmental Effects on Phenotypes - Unit 5 recheck - HW Unit 5 test
	Break

17	Unit 6 DNA & RNA Structure & DNA Replication
18	Transcription and RNA Processing & Translation
19	Mutations & Regulation on Gene Expression and Cell Specialization
20	recheck Unit 6 - HW Test Unit 6 - Begin Unit 7 - Evolution - Natural Selection

21	Evidence of Evolution & Hardy Wenberg Equilibrium
22	Common Ancestry, Phylogeny & Origins of Life on Earth
23	Unit 1-6 Test
24	recheck Unit 7 - HW Unit 7 test
25	Unit 8 Ecology - Responses to the Environment & Energy Flow through Ecosystems
26	Population Ecology & Community Ecology
27	Biodiversity & Disruptions in Ecosystems - recheck Unit 8 - HW Test Unit 8
28	Review Units 1 through 4
29	Review Units 5 through 8

Lesson	Topics
30	FRQ Review
31	AP EXAM - Practice
32	AP Biology Review of Practice Test
33	AP EXAM - Practice
34	AP Biology Review of Practice Test
	Actual AP Biology Exam

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Teacher Profile

Ms. Ragone

Biology



Ms. Ragone is a certified and experienced biology teacher with 19 years of experience teaching AP Biology, as well as grade-level and honors-level courses. Her students consistently achieve high scores on AP exams and state tests due to her ability to explain challenging concepts in clear, understandable ways. With a deep expertise and a wide range of learning and practice resources, she provides the tools and support students need to succeed in mastering biology.

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