

Curriculum Map: AP Biology 12th grade 2017-2018

The prerequisite for this course includes a qualifying grade in 10th grade biology as well as 11th grade chemistry. Anatomy and physiology can be taken concurrently or in the 11th grade year.

This class will prepare students to take the AP Biology exam given by College Board. A qualifying grade on this exam can allow students to gain college credit for the course. more information can be found here:

<https://apstudent.collegeboard.org/apcourse/ap-biology>

AP Biology 2017-2018 Schedule of Course

Weeks	Unit	Topics	Chapter Readings	Laboratories (only AP labs listed, other teacher-generated labs will be used in addition to those listed)
1	1	Nature of Science	1	
1-2	1	Ecology	50-55	AP Lab 12: Dissolved Oxygen and Aquatic Primary Productivity
3-6	2	Molecular Biology	1-6	AP Lab 1: Diffusion and Osmosis
7-9	3	Cell Biology	7, 8, 11	AP Lab 2: Enzyme Catalysis
10-11	4	Energy Transformation (Photosynthesis and Respiration)	9, 10	AP Lab 4: Plant Pigments and Photosynthesis AP Lab 5: Cell Respiration
12-13	5	Cell Division	12-13	AP Lab 3: Mitosis and Meiosis
14-15	6	Human Genetics	14-15	AP Lab 7: Genetics of Organisms Statistical Analysis
16-21	7	Molecular Genetics	16-21	AP Lab 6: Molecular Biology
22-24	8	Evolution	22-25	AP Lab 8: Population Genetics and Evolution
25-27	9	Diversity of Organisms	26-34	Teacher generated lab: Phylogenetic Mapping
28-35	10	Structure and Function of Plants and Animals	35-49	AP lab 9: Transcription AP Lab 10: Physiology of the Circulatory System AP Lab 11: Animal Behavior
36		Review for AP Test		