



AP Biology Syllabus

Course Details

Course Code: 327200AW

Subject: Science

Required Prerequisites: Biology and Chemistry

Suggested Prerequisites: None

Recommended Grade Levels: 11th and 12th

Duration: Yearlong

Course Availability: A listing of when this course is offered in the current school year can be found on the [VirtualSC Current Course Offerings page](#) (opens in a new window).

Class Times: This course has scheduled instructional meetings. Information on scheduled meetings for each course is communicated by the teacher. Recordings of these meetings will be available for students unable to attend. Students should expect to spend 7-9 hours a week working on this course independently, in addition to any live meetings, and are expected to meet the deadlines posted in the course pacing guide.

Textbook: Starr, C. (n.d.). Biology: The Unity and Diversity of Life (14th ed.). Cengage Learning.

Required Course Materials: None

Outside Websites: A list of links to websites and online textbooks used in this course can be found here: [VSC Course Links Document Folder \(opens in a new window\)](#). Students will need to be able to access all of these links to access all course materials.

Final Exam: Students in this course take a VirtualSC final exam, **AND** an Advanced Placement (AP) exam. Details on scheduling and taking final exams can be found on the [Final Exam Page](#) (opens in a new window) of the VirtualSC webpage.

Course Description

Advanced Placement (AP) Biology is a college level course. The focus is to prepare the student for the AP exam in the spring. It is possible to earn Biology credit for college with a 3 or above on the exam. AP Biology is designed by the College Board, and focused around 4 big ideas that lead to enduring understandings. Students will be expected to exhibit conceptual knowledge as well as model concepts graphically and mathematically. The course will require a combination of virtual and hands on labs. In addition, home activities may be assigned using normal utensils found in the kitchen. Necessary skills include extensive writing and math.

The curriculum for this course is guided by the [College Board Advanced Placement Biology Framework](#) (opens in a new window).

Scope and Sequence

- Unit 00: Course Overview and Introduction
- Unit 01: Introduction to AP Biology
- Unit 02: Biochemistry
- Unit 03: The Cell
- Unit 04: Cellular Energy – Photosynthesis and Cellular Respiration
- Unit 05: Molecular Genetics
- Unit 06: Biotechnology
- Unit 07: Mendelian Genetics
- Unit 08: Evolution and Biodiversity
- Unit 09: Plant and Animal Form and Function
- Unit 10: Ecology
- Unit 11: Preparing for the AP Exam
- Unit 12: AP Biology Course Final Exam

Students will be sent a full list of assignments and their due dates at the beginning of the course.

Current pacing guides for this course can be found on the [Current Course Offerings page](#) (opens in a new window) on the VirtualSC website.

Course Grades

The final grade in this course results from the following:

- Coursework: 80%

- Final Exam: 20%

VirtualSC Details

Information on VirtualSC student guidelines, policies and technology requirements can be found in the [VirtualSC Student Support Portal \(opens in a new window\)](#).