YOUNG WOMEN'S Leadership Academy

AP Biology 26-27 Instructional Plan

Created on 8/7/2026

Contact Information

Teacher Name: Julie Cone
Email: christine.cone@midlandisd.net
Phone: (432) 240-8700

WHAT IS AP(ADVANCED PLACEMENT)?

AP courses aim to teach students the skills and information needed to pass an end of year exam given by College Board. Any student who receives a score of three (or above) on College Board's five-point grading system typically receives college credit by most public colleges.

Moreover, regardless of exam score, many colleges and universities view participation in the AP program as a sign of a motivated student. The course is advanced not only in reading and writing, but in the depth of the material. Students taking this course will learn at an accelerated pace and must exhibit responsibility, good work ethic, and a drive to learn to achieve college readiness skills and (potential) college credit.

COURSE DESCRIPTION

This AP Biology course provides a strong foundation in college-level biology, built upon the four Big Ideas, Enduring Understandings, and Science Practices. Biology is fundamentally about inquiry. This course emphasizes developing critical thinking skills and the process of scientific inquiry. Beyond just memorizing content, students will learn to analyze and interpret data and to communicate scientific information effectively. By the end of the course, students will recognize how biology integrates with other sciences, understand humanity's place within the natural world, and become informed and responsible citizens capable of navigating biological issues that impact their lives.

COURSE ACTIVITIES (What we will be doing)

Below you will find descriptions of the most common activities that students will participate in during the course of each semester.

Throughout the year, students will:

1. Concept Explanation	Explain biological concepts, processes, and models presented in written format

YOUNG WOMEN'S Leadership Academy

AP Biology 26-27 Instructional Plan

Created on 8/7/2026

2. Visual Representations	Analyze visual representations of biological concepts and processes
3. Questions and Methods	Determine scientific questions and methods
4. Representing and Describing Data	Represent and describe data
5. Statistical Tests and Data Analysis	Perform statistical tests and mathematical calculations to analyze and interpret data
6. Argumentation	Develop and justify scientific arguments using evidence
7. Practice AP Questions	Analyze former questions and rubrics to see how to answer FRQ and MC questions. Practice answering MC and FRQ questions and getting peer and teacher feedback.

GRADES - Click here for → YWLA Grading Policy

Major (Test, Projects, Writing)	60%
Minor (Notes, Daily Work)	40%

YOUNG WOMEN'S Leadership Academy

AP Biology 26-27 Instructional Plan

Created on 8/7/2026

Classroom Resources (examples below)

- Student and Teacher Created Resources
- Biology for AP course (BFW)
- Openstax AP Biology
- Google Classroom
- Various Youtube Videos
- Khan Academy

Exam Date (May 3rd, 2027)

COURSE OBJECTIVES AND TOPICS (CED Breakdown and Description)

- CED
- Unit 0-Safety and Scientific Method
- Unit 1 - Chemistry of Life
- Unit 2 - Cells
- Unit 3 - Cellular Energetics
- Unit 4 - Cell Communication and Cell Cycle
- Unit 5 - Heredity
- Unit 6 - Gene Expression and Regulation
- Unit 7 - Natural Selection
- Unit 8 - Ecology

Please feel free to reach out with any questions or concerns. We are excited to work together to make this a successful year of learning!
