

Course: Biology I

Course Description: This course is designed to introduce students to the study of life. Topics include: Cells, cell division, photosynthesis, respiration, genetics, evolution, taxonomy, anatomy and physiology of various plants and animals, human anatomy and physiology, and ecology.

Textbook: *Experience Biology*. 2026. Miller & Levine.

Course Outline:

- I. Biochemistry
 - A. Chemistry in Biology
 - B. Enzymes
 - C. Macromolecules
- II. Cells
 - A. Cell Types
 - B. Cellular Transport
 - C. Cellular Energetics
- III. Genetics
 - A. Mitosis/Meiosis
 - B. Cell Differentiation
 - C. Inheritance/Heredity
 - D. Molecular Genetics
- IV. Evolution
 - A. Mechanisms of Evolution
 - B. Evidence of Evolution/Homology
- V. Ecology
 - A. Community and Ecosystem Dynamics
 - B. Biogeochemical Cycles
 - C. Biodiversity

The teacher reserves the right to revise this schedule at any time.

Things to Know:

1. Tests/quizzes will make up 40% of a student's grade, the remaining 60% will be from classwork/homework (daily grades).
2. Grades will be updated on Aspen weekly.
3. All assignments are to be turned in during class to a designated homework tray. Assignments turned in late will lose 10 points for each day they are late.
4. If a student is absent, it is their responsibility to get the work they have missed. They have the number of days they were out to complete all work that they missed (ex. *absent 5 days = 5 days to make up assignments*).

Rules and Procedures:

- Students are allowed ONE restroom break during the class period. They should not be gone for more than 10 minutes or they will be considered as "cutting class" and an administrator will be notified. If a student is tardy to class without a note, they forfeit their one break that day.
- Students are to turn off their phones and place them in their assigned spot at the start of class. They will lose points if they fail to do so. This is an easy daily grade. Phones will stay in their assigned location until the end of class.

Cell Phone Policy:

Students **are not** to use cell phones for any reason during the school day per Tennessee state law. If a student has their cell phone out, it will be confiscated. The first time it is confiscated, the student can retrieve their phone from an administrator at the end of the day. Further violations will lead to the student's phone being taken to the office and a parent will be required to retrieve it. If there is an emergency and you must contact your student please call the school (423-623-8718) and the front office will be able to assist you. More information on the new cell phone policy can be found in the student handbook.