

10th Grade Biology Syllabus

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Room S119

Course Description:

Biology is an extension of what you learned in 7th grade Life Science. We will go in-depth into some of the same topics and add new ones. Class discussion, labs, review work, projects and other exercises will provide you with many opportunities to explore the areas of biology in my classroom. You will receive notes that will outline the material covered in the online text and PowerPoints. We will have as many labs/activities for you to keep your hands and minds busy in experiencing what it's truly like to be a scientist. Some form of review – teacher questioning, class work or homework will be used each day to judge the status of the your learning.

As your teacher, I intend to guide you through the year, but you should utilize the other sources that I provide such as your online text, charts/diagrams, videos, Internet and your very own brain.

Remember, **YOU** are responsible for your own education. **YOU** determine your level of learning in this classroom. **YOUR** success in this class depends solely on how much effort you put forth. That choice is yours. Choose wisely.

Course Content:

We will do our best to cover each of the topics with as much detail as time allows. Please keep in mind that this list is subject to change and not set in stone.

- ✓ Nature of Science
- ✓ Classification of Living Things
- ✓ Ecology
- ✓ Cells/Biochemistry
- ✓ DNA/Genetics/Hereditiy
- ✓ Natural Selection/Theory of Evolution
- ✓ Bacteria/Viruses
- ✓ Human Systems

All of the above will be learned through a variety of instructional methods such as:

- Reading the online textbook & becoming comfortable with scientific vocabulary
- Worksheets (they are assigned but not always handed in)
- Projects/Presentations (individual, pairs or small groups)
- Tests & Quizzes
- Labs (The best part of science.)

Textbook: CK-12 Biology Interactive Edition <https://www.ck12.org/book/CK-12-Biology/>

Goals & Objectives:

- Actively ask, find, understand, follow, determine and apply past and present knowledge.
- Know how to collect and analyze data.
- Perform lab work using appropriate procedures.
- Write a lab report.
- Read/comprehend scientific text and be able to discuss it with classmates.
- Study adequately for quizzes/tests.
- Complete assignments on time!
- Work effectively in groups.

Expectations & Class Preparedness:

1. A positive attitude in an atmosphere of mutual respect is expected at all times.
2. Come to class prepared (IPad, pencil, science notebook, and assignment(s)).
3. Attendance is necessary to successfully complete this class.

Grading:

Grades are recorded as a percentage. Your total points earned will be divided by the total possible points to determine what that percentage is. Grades are based on notes, class work, labs, projects, quizzes and tests. Test dates will be posted in advance so you have plenty of time to prepare. The grading scale is as follows:

100 – 90% = A
89 – 80% = B
79 – 70% = C
69 – 60% = D
Below 60% = F