

2017 Honors Biology Summer Course Outline

Welcome to Biology!

Course Materials:

- Textbook: Biology Concept and Applications
 - ISBN-10: 0534462235
- Notebook + Writing Utensil

Course Description:

This course contains an in-depth study of a high school level Biology course, at an accelerated level meant to fulfill the credit requirement. Students will cover varying topics and concepts including: the structure and function of a cell; cellular reproduction; sources of energy; genetics; principles of evolution; prokaryotes and eukaryotes; fundamental life processes; biochemistry; DNA Model; and non-Mendelian genetics; plants and their reproduction; animal biological systems; circulation, immunity, and respiration; animal reproduction; population ecology; biodiversity; structures of ecology, and more.

This course consists of a 6 week program, Monday-Friday, for four hours each day for a total of **125 hours**. Students will have 3-4 5-9 minute breaks each session.

Course Outline

All 7 Units of the textbook will be covered during this 6 week course:

1. Principles of Cellular Life
2. Principles of Inheritance
3. Principles of Evolution

4. Evolution and Biodiversity
5. How Plants Work
6. How Animals Work
7. Principles of Ecology

We will be spending 20% to 25% amount of our instructional time on various forms of practical activities. These will include formal lab write ups, and mini-labs (informal write ups).

Assessment/Calculation of Grades:

Student progress is assessed during each 10 days of period over this 6 weeks teaching.

A Student progress is reported as a grade based on the South Carolina grade reporting system:

93-100% = A 85-92%= B 77-84%= C 70-76%= D 0-69%= F

Student progress is cumulatively assessed each week in the following areas:

Major Assessment (Test and Projects): 70%

Minor Assessment (Quizzes, class work, and Homework): 30%