

Teacher(s):

Time:

Tazewell County Biology 1

Course Organizer

Student:

Course Dates: 8/2015 - 5/2016

This Course: Biology 1

is
about

a basic introduction to the study of living things and life processes.

Course Questions:

1. Explain why science is based on evidence.
2. Assess why enzymes are vitally important for living things.
3. Investigate how membranes and organelles help cells to function.
4. Contrast the complementary processes of photosynthesis and respiration and explain why they are vital to life on earth.
5. Justify why the knowledge of DNA structure and the process of meiosis are vital to the study of inheritance.
6. Illustrate how genetic variation creates the raw material for evolution.
7. Contrast the early developmental stages of all organisms and explain how they highlight evolutionary relationships.
8. Demonstrate how natural selection is still evident today as part of evolutionary theory.
9. Analyze the ecological relationships between living organisms.
10. Compare and contrast the bodily structures of aquatic and terrestrial vertebrates.

Unit Format:

A Pretest is to be administered at the beginning of every unit. The Posttest, to be administered at the end of each unit, will measure student progress and highlight areas for remediation.

2015-16 Unit Calendar:

Unit 1: Introducing Biology

Aug. 24, 2015-Sept. 8, 2015

Unit 2: Cells

Sept. 9, 2015-Oct. 23, 2015

Unit 3: Meiosis & Mendelian Genetics

Oct. 26, 2015-Nov. 20, 2015

Unit 4: DNA, RNA, & Proteins

Nov. 23, 2015-Dec. 11, 2015

Unit 5: Evolution

Jan. 5, 2016-Feb. 2, 2016

Unit 6: Classification & Diversity

Feb. 3, 2016-Mar. 2, 2016

Unit 7: Ecology

Mar. 3, 2016-March 31, 2016

Unit 8: Plants

April 1, 2016-April 22, 2016

Unit 9: Animals

April 25, 2016-May 6, 2016

