**Biology**

**Course Prerequisites: None**

1. **Introduction:**

**The high school general biology course of study is designed to give a foundation for successful completion of college biology. The class gives an understanding of the many branches of biology while giving an introduction to the many biology related careers that are available. This course will emphasize high order thinking skills using online activities, laboratory investigations, and problem solving activities.**

**General Objectives and Sequential Timeframe:**

1. **1. Students study a variety of topics that include:**
   * 1. **Introduction to Biology (2 weeks) 1,2**
     2. **Biochemistry (2 weeks) (2 weeks) 3,4**
     3. **Cell Biology (3 weeks) 5,6,7**
     4. **Cell Respiration and Photosynthesis (2 weeks) 8,9**
     5. **Mitosis and Meiosis (2 days) (included with cytology)**
     6. **Heredity and Mendelian Genetics (3 weeks) 10-12**
     7. **DNA and Protein Synthesis (3 weeks) 13-15**
     8. **Creation/Evolution (3 weeks) 16-18 End first semester**
     9. **Taxonomy (2 weeks) 19,20**
     10. **Kingdom Monera (1 weeks)21**
     11. **Kingdom Protista (2 weeks) 22,23**
     12. **Kingdom Fungi (1 weeks) 24**
     13. **Botany (2 weeks) 25,26**
     14. **Invertebrates (4 weeks) 27-30**
     15. **Vertebrates/ animal systems (5 weeks) 31-35**
     16. **Ecology(1 weeks) 36**

**Textbook used**: Modern Biology, Holt Rinehart, 2009

**Grading Scale:**

25% homework,  25% labs,  25% Test,   25% quiz

**Supplies Needed:** pens, pencils, notebook, paper,  colored pencils, Scientific calculator, flash drive, box of klenex