



Biology -- Syllabus

Term: 2011-12

Teacher: Mrs. Charity Daniels

Course Description: Biology is a natural science which studies life and living organisms. We will be looks at the structure, function, growth, origin, distribution and taxonomy of these organisms.

Class work will consist mainly of discussion and taking notes. Homework should prepare students for class and reinforce concepts taught in class. Quizzes will be administered to ensure concepts are being learned. Laboratory work may be performed as a class or as individual homework assignments. Tests will be given at the end of each. Students and/or parents may contact me by phone or email Monday through Friday. (I am usually available on Saturdays but not always.)

Textbook: *Exploring Creation with Biology*, 2nd ed. 2005, ISBN 1932012540
Also, other reading may be assigned throughout the year.

Student Materials: Composition notebook for labs

Evaluation: Exams 60% Quizzes 15% Labs 15% Homework 10%

Tentative Weekly Outline:

| <i>Dates</i> | <i>Topic</i> |
|---------------|--------------------------------------------------------------------|
| 8/18 – 8/30 | Chapter 1: History and Introduction |
| 9/1 – 9/15 | Chapter 2: Kingdom Monera (Bacteria) |
| 9/16 – 9/29 | Chapter 3: Kingdom Protista (Protozoa) |
| 9/30 – 10/14 | Chapter 4: Kingdom Fungi (Mushrooms, molds and yeasts) |
| 10/17 – 10/31 | Chapter 5: The Chemistry of Life |
| 11/1 – 11/17 | Chapter 6: The Cell |
| 11/18 – 12/2 | Chapter 7: Cellular Reproduction and DNA |
| 12/5 – 12/15 | Chapter 8: Mendelian Genetics |
| 1/2 - 1/5 | Chapter 10: Ecology |
| 1/6 – 1/9 | Review and Semester I Final |
| 1/17 – 1/31 | Chapter 11: Kingdom Animalia, Part I (Invertebrates) |
| 2/2 – 2/16 | Chapter 12: Kingdom Animalia, Part II (Arthropods) |
| 2/21 – 3/6 | Chapter 13: Kingdom Animalia, Part III (Chordata) |
| 3/8 – 3/26 | Chapter 14: Kingdom Plantae, Part I (Anatomy and Classification) |
| 3/27 – 4/19 | Chapter 15: Kingdom Plantae, Part II (Physiology and Reproduction) |
| 4/20 – 5/4 | Chapter 16: Kingdom Animalia, Part IV (Reptiles, Bird and Mammals) |
| 5/7 – 5/18 | Chapter 9: Evolution |
| 5/21 – 6/2 | Review and Semester II Final |