

St. Paul's Preparatory Academy
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2011-2012 School Year

Biology Syllabus

Course Overview

A course designed to motivate students to learn by presenting the living world in a tangible way; by seeing, touching, and identifying. This same sequence was historically followed by most of the world's greatest scientists. This course is written from a Christian perspective; giving students a deeper knowledge of all living creation and drawing them closer to God.

Course Responsibilities

Students are expected to participate in the classroom. This may involve chalkboard, oral, and written assignments during the class period. Students are to maintain a positive attitude and complete their work in a neat, organized, and punctual fashion. Students will have daily homework assignments. Parental supervision to make sure that homework is completed is encouraged.

Course Objectives

The objective of this course is to teach students about God's living creation from a Christian perspective. Students are prepared for more advanced Sciences through critical thinking and the Scientific Method.

Course Curriculum

A Beka Book. Biology-God's Living Creation Third Edition, 2007

Supplies Needed

- One three-ring binder with a section dedicated exclusively to Biology
- Loose leaf notebook paper for homework and daily notes
- Two number two pencils with erasers
- Textbook

Course Requirements

Students will have daily assignments from the A Beka textbook. The completion of these assignments is to be neat, organized, and on time. Failure to meet these requirements will result in a grade of a '0' for that particular day or that particular assignment. Quizzes will be given periodically. Every third Wednesday there will be a test given covering the relevant chapter. Every semester there will be a cumulative exam given. The binder will be brought to class everyday, as notes will be taken daily.

Homework

It is each student's responsibility to record assignments and to complete assignments on time. A student will receive a '0' for an incomplete or missing assignment. Students may turn the assignment in one day late for a 50.

Class Rules

- Students will raise their hands to speak in the classroom.
- Students will ask permission to leave their seats for any reason.
- Students will maintain honesty and integrity in the classroom. Cheating will not be tolerated.
- Bathroom breaks are **not** allowed during class. Only in emergencies will students be allowed out of class.

Grading Scale

Homework/Class work	25	A 93-100
Quizzes	20	B 83-92
Tests	40	C 75-82
Prompt & Prepared	15	D 70-74
		F 0-69

First Semester

First 9 Weeks (1st Quarter)

Week 1-2: **Chapter 13: Natural History and Scientific Investigation**
Chapter 13 Test: September 14

Week 3-5: **Chapter 1: The Flowering Seed Plants**
Chapter 1 Test: October 5

Week 6-8: **Chapter 2: The Structure and Function of Leaves**
Chapter 2 Test: October 26

Week 9-11: **Chapter 3: Flowers, Fruits, and Seeds**

Second 9 Weeks (2nd Quarter)

Week 12-14: **Chapter 3 Test: November 16**
Chapter 4: Stems and Roots

Week 15-17: **Chapter 4 Test: December 7**

Chapter 5: Variety in the World of Plants

Week 18: Chapter 5 Test
Semester Exam: Chapters 1-6
January 11
Chapter 6: Fearfully and Wonderfully Made

SECOND SEMESTER:

Third 9 Weeks (3rd Quarter)

Week 19-20: **Chapter 7: Bones and Muscle**

Week 21-23: Chapter 6 & 7 Test: February 1
Chapter 8: The Nervous System
Brain Dissection

Week 24-26: Chapter 8 Test: February 22
Chapter 9: Nutrition and Digestion

Week 27-29: Chapter 9 Test: March 21
Chapter 10: Circulation and Respiration
Heart Dissection

Fourth 9 Weeks (4th Quarter)

Week 30-32: Chapter 10 Test: April 11
Chapter 11: Integumentary, Excretory, and Endocrine System

Week 33-34: Chapter 11 Test: May 2
Chapter 12: Disease and the Body's Immune System
Fetal Pig Dissection

Week 35: Chapter 12 Test: May 9

Week 36: Final Exam: May 23