Biology - Course Syllabus

Description:
A compelling, thorough course, Biology engages students in the study of life and living organisms and examines biology and biochemistry in the real world. This course encompasses traditional concepts in biology and encourages exploration of new discoveries in this field of science. The components include biochemistry, cell biology, heredity and reproduction, the evolution of life, classification and the first four kingdoms, plant and animal kingdoms, human body systems, and ecology.

Textbook: Discovery Education – Biology Techbook

Course objectives:
* Understand the relationships among living organisms
* Describe the functions and processes that control cellular activities.
* Trace the discoveries and scientific thought that increase the application of new technology in the field of DNA and genetics.
* Examine the taxonomy that organizes all organisms
* Recognize the structures and functions of systems of the human body
* Relate the interdependence of ecosystems and environmental issues.

Contents:
Semester A
Unit 1: The Chemistry of Living Things
Unit 2: Energy and Life
Unit 3: Cells
Unit 4: Heredity

Semester B
Unit 5: Diversity of Living Things
Unit 6: Animals
Unit 7: Plants
Unit 8: Ecology

Grading Scale
A = 90-100%
B = 80-89%
C = 70-79%
D = 60-69%
F = under 59%

Grade Weighting
Chapter Quizzes ............ 70%
Cumulative Exam .......... 30%

100%