

Department: Science
Course Name: Biology

Course Description:

This class is a general science course exploring the varied and intricate world of living things. Topics will include the following: basic biological theories, water and water chemistry, cell structure and function, genetics, human anatomy and physiology. Regular laboratory work is an integral part of this course.

Content:

Scientific method
Lab safety
Organic molecules
Cell structure
Cell Transport
Photosynthesis
Cellular respiration
Mitosis
Meiosis
Evolution
Genetics
DNA transcription and translation
Human anatomy
Ecology

Skills:

Improve study and organizational skills, including note-taking strategies, notebook organization, time management, and test preparation
Utilize a learning management system for accessing content, assignments, and assignment submissions
Learn how to use the scientific method to gather and analyze data and to discover new concepts through lab and/or hands-on activities
Write scientific lab reports and use spreadsheets to present data
Apply reason, logic, and basic problem-solving skills
Develop dissection techniques

Text and Materials:

Miller, K., and Levine J. *Biology* (Savvas Learning Company)

Methods of Instruction:

Lecture
Interactive presentations
Note-Taking and Graphic Organizers
Class reviews
Class discussions

Laboratories

Methods of Evaluation:

Tests

Quizzes (including online assessment)

Projects

Lab reports

Homework

