

Life Science B Course Description

Course Description

This course examines life on the planet Earth. Students will learn about the age of the earth, theories of evolution, biological classification systems that break down different forms and species of life, ecosystems on earth, different types of populations and their growth, and finally the different systems of the human body. Upon completion students will demonstrate competencies in the above topics. This knowledge will be measured in assessments throughout the entire course.

Once assessments are completed, please allow 2-3 working days for your instructor to submit a grade. Any emails directed to your online instructor will be answered within 24 hours (excluding holidays and weekends).

Course Outline

Unit 1 – Evolving Life:

- Evolution and Lifes Diversity
- Age of Earth
- The Fossil Record
- Homologies

Unit 2 – Theories of Evolution:

- Developing Theories of Evolution
- Natural Selection
- Genetics and Evolution
- Developing a New Species
- Evolving Theory

Unit 3 – Biological Classification Systems:

- Biological Classification
- Modern Taxonomy
- Six Kingdom System

Unit 4 – Life on Earth:

- Spontaneous Generation
- First Life on Earth
- Evolution of Modern Organisms

Unit 5 – Ecosystems:

- Earth: A Living Planet
- Land Biomes
- Aquatic Biomes
- Building the Web of Life

Unit 6 – Population Growth:

- Population Growth
- Population Growth Factors
- Interactions with Communities

Unit 7 – Modern Biosphere:

- Human Population Growth
- Introduction to Pollution
- The Fate of Earth
- Future of the Biosphere
- Environmental Solutions

Unit 8 – Systems of the Human Body:

- Our Bodies and the Nervous System
- Skeletal Muscular and Integumentary Systems
- Digestive and Respiratory Systems
- Circulatory and Excretory Systems
- Endocrine Reproductive and Immune Systems