

Lesson Plan: Science

State of Idaho High School Content Standards

Under Standard 1: "Nature of Science," six goals from the State of Idaho Science End-of-Course (EOC) Biology Content Standards are implemented into this curriculum.

Standard 1: Nature of Science

- **Goal 1.2: Understand Concepts and Processes of Evidence, Models, and Explanations.**
 - **Objective: By the end of high school, the student will be able to:**
 - 9-10.B.1.2.1 Use observations and data as evidence on which to base scientific explanations.
- **Goal 1.3: Understand Constancy, Change, and Measurement.**
 - **Objectives: By the end of high school, the student will be able to:**
 - 9-10.B.1.3.1 Measure changes that can occur in and among systems.
 - 9-10.B.1.3.2 Analyze changes that can occur in and among systems
- **Goal 1.6: Understand Scientific Inquiry and Develop Critical Thinking Skills.**
 - **Objective: By the end of high school, the student will be able to:**
 - 9-10.B.1.6.1 Identify questions and concepts that guide scientific investigations
- **Goal 3.2: Understand the Relationship between Matter and Energy in Living Systems.**
 - **Objective: By the end of high school, the student will be able to:**
 - 9-10.B.3.2.2 Explain how organisms use the continuous input of energy and matter to maintain their chemical and physical organization.
- **Goal 5.1: Understand Common Environmental Quality Issues, Both Natural and Human Induced.**
 - **Objective: By the end of high school, the student will be able to:**
 - 9-10.B.5.1.1 Analyze environmental issues such as water and air quality, hazardous waste, forest health, and agricultural production.
- **Goal 5.3: Understand the Importance of Natural Resources and the Need to Manage and Conserve Them.**
 - **Objective: By the end of high school, the student will be able to:**
 - 9-10.B.5.3.1 Describe the difference between renewable and nonrenewable resources.