

Scientific Method and Classification

ESTABLISHED GOALS (CCSS)

Idaho State Standards
7.S.1.6 Understand Scientific Inquiry and Develop Critical Thinking Skills
7.S.1.8 Understand Technical Communication
7.S.5.2 Understand the Relationship between Science and Technology
7.S.1.1 Understand Systems, Order, and Organization
7.S.1.2 Understand Concepts and Processes of Evidence, Models and Explanations
7.S.1.3 Understand Constancy, Change, and Measurement

CCSS Writing Standards 1-10
CCSS Reading Standards 1-10

Transfer

Students will be able to independently use their learning to...

Apply the steps of the scientific method and what things are necessary for living things to survive

Meaning

UNDERSTANDINGS

Students will understand that...

1. There are multiple steps to the scientific method.
2. Living things require certain things to survive.

ESSENTIAL QUESTIONS:

How is the scientific method used for everyday life?

What is necessary for an organism to be considered living

Acquisition

Students will know . . .

How to apply the steps of the scientific method

Identify what living things need to survive

The difference between a hypothesis, theory, and law

How to use observations to make defensible inferences

Students will be skilled at...

Writing a hypothesis

Designing a simple experiment based on that hypothesis

Recording all measurements in SI units

Create data table

Communicating results

Stage 2 - Evidence

Evaluative Criteria

Assessment Evidence

