

**IDAHO ACHIEVEMENT STANDARDS
GRADE 1
SCIENCE**

Standard 1: Nature of Science

Students explore the process of scientific investigation through observations and data collection, using standard and non-standard units of measurement. Students follow multi-step instructions and work with others.

Goal 1.1: Understand Systems, Order, and Organization

No objectives at this grade level.

Goal 1.2: Understand Concepts and Processes of Evidence, Models, and Explanations

Objective(s): By the end of Grade 1, the student will be able to:

1.S.1.2.1 Make observations, collect data, and use data. (543.01.a)

Goal 1.3: Understand Constancy, Change, and Measurement

Objective(s): By the end of Grade 1, the student will be able to:

1.S.1.3.1 Measure in both standard and non-standard units. (543.02.b)

Goal 1.4: Understand the Theory that Evolution is a Process that Relates to the Gradual Changes in the Universe and of Equilibrium as a Physical State

Objective(s): By the end of Grade 1, the student will be able to:

1.S.1.4.1 Explain the concepts of past, present, and future. (543.03.a)

Goal 1.5: Understand Concepts of Form and Function

No objectives at this grade level.

Goal 1.6: Understand Scientific Inquiry and Develop Critical Thinking Skills

Objective(s): By the end of Grade 1, the student will be able to:

1.S.1.6.1 Make and record observations. (544.01.a)

Goal 1.7: Understand That Interpersonal Relationships Are Important in Scientific Endeavors

Objective(s): By the end of Grade 1, the student will be able to:

1.S.1.7.1 Demonstrate cooperation and interaction skills. (553.01.a)

Goal 1.8: Understand Technical Communication

Objective(s): By the end of Grade 1, the student will be able to:

1.S.1.8.1 Follow multi-step instructions. (553.02.a)

Standard 2: Physical Science

Students describe properties of common objects and how movement is a change of position.

Goal 2.1: Understand the Structure and Function of Matter and Molecules and Their Interactions

Objective(s): By the end of Grade 1, the student will be able to:

- 1.S.2.1.1 Describe properties of objects. (545.01.a)

Goal 2.2: Understand Concepts of Motion and Forces

Objective(s): By the end of Grade 1, the student will be able to:

- 1.S.2.2.1 Describe the position and motion of objects. (ex. revolve, rotate, at rest, float, and fall) (545.02.a)

Goal 2.3: Understand the Total Energy in the Universe is Constant

No objectives at this grade level.

Goal 2.4: Understand the Structure of Atoms

No objectives at this grade level.

Goal 2.5: Understand Chemical Reactions

No objectives at this grade level.

Standard 3: Biology

Students describe the life cycles of living things and how they survive in their environment.

Goal 3.1: Understand the Theory of Biological Evolution

Objective(s): By the end of Grade 1, the student will be able to:

- 1.S.3.1.1 Describe the life cycle of a plant (seed, growth, reproduction, death). (547.01.a)
- 1.S.3.1.2 Describe the life cycle of an animal (birth, development, reproduction, death). (547.01.a)

Goal 3.2: Understand the Relationship between Matter and Energy in Living Systems

Objective(s): By the end of Grade 1, the student will be able to:

- 1.S.3.2.1 State that living things need food to survive. (548.01.a)

Goal 3.3: Understand the Cell is the Basis of Form and Function for All Living Things

No objectives at this grade level.

Standard 4: Earth and Space Systems

Students describe characteristics for each season and the cycle of the seasons.

Goal 4.1: Understand Scientific Theories of Origin and Subsequent Changes in the Universe and Earth Systems

Objective(s): By the end of Grade 1, the student will be able to:

1.S.4.1.1 Identify the four seasons and their characteristics for a local region. (549.01.a)

Goal 4.2: Understand Geo-chemical Cycles and Energy in the Earth System

No objectives at this grade level.

Standard 5: Personal and Social Perspectives; Technology

Students describe characteristics of the local environment.

Goal 5.1: Understand Common Environmental Quality Issues, Both Natural and Human Induced

Objective(s): By the end of Grade 1, the student will be able to:

1.S.5.1.1 Identify the characteristics of local natural environments. (playground, backyard). (551.01.a)

Goal 5.2: Understand the Relationship between Science and Technology

No objectives at this grade level.

Goal 5.3: Understand the Importance of Natural Resources and the Need to Manage and Conserve Them

No objectives at this grade level.