

Idaho Extended Content Standards Draft  
Extended Content Indicators  
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.

Extended Standard 1: Students explore the process of scientific investigation through observations and data collection, using units of measurement. Students follow instructions and work with others.

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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.

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Topic	Gr	Goal	Objectives	Essence	Extended Content Indicators
Interrelated nature of science	1.S.1.2	Goal 1.2: Understand Concepts and Processes of Evidence, Models, and Explanations	1.S.1.2.1 Make observations, collect data, and use data. (543.01.a)		1.S.1.2.1.A Make and communicate observations.

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Topic	Gr	Goal	Objectives	Essence	Extended Content Indicators
Interrelated Nature of Science	1.S.1.3	Goal 1.3: Understand Constancy, Change, and Measurement	1.S.1.3.1 Measure in both standard and non-standard units. (543.02.b)		1.S.1.3.1.A Measure in non-standard units.

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Topic	Gr	Goal	Objectives	Essence	Extended Content Indicators
	1.S.1.4	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	1.S.1.4.1 Explain the concepts of past, present, and future. (543.03.a)		1.S.1.4.1.A Demonstrate the concepts of yesterday, today, and tomorrow.

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Topic	Gr	Goal	Objectives	Essence	Extended Content Indicators
Interrelated Nature of Science	1.S.1.5	Goal 1.5: Understand Concepts of Form and Function	No objectives at this grade level.		No objectives at this grade level.

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Topic	Gr	Goal	Objectives	Essence	Extended Content Indicators
Interrelated Nature of Science	1.S.1.7	Goal 1.7: Understand That Interpersonal Relationships Are Important in Scientific Endeavors	1.S.1.7.1 Demonstrate cooperation and interaction skills. (553.01.a)		1.S.1.7.1.A Demonstrate cooperation and interaction skills.

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Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	1.S.1.8	Goal 1.8: Understand Technical Communication	1.S.1.8.1 Follow multi-step instructions. (553.02.a)		1.S.1.8.1.A Follow instructions.



Standard 2: Physical Science - Students describe properties of common objects and observe how movement is a change of position.

Extended Standard 2: Students sort common objects by properties and observe how movement is a change of position.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
Physical Science	1.S.2.1	Goal 2.1: Understand the Structure and Function of Matter and Molecules and Their Interactions	1.S.2.1.1 Describe properties of objects. (545.01.a)		1.S.2.1.1.A Identify properties of objects.

Standard 2: Physical Science - Students describe properties of common objects and how movement is a change of position.

Extended Standard 2: Students sort common objects by properties and observe how movement is a change of position.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
Physical Science	1.S.2.2	Goal 2.2: Understand Concepts of Motion and Forces	1.S.2.2.1 Describe the position and motion of objects. (ex. revolve, rotate, at rest, float, and fall) (545.02.a)		1.S.2.2.1.A Observe the position and motion of objects. (ex. revolve, rotate, at rest, float, and fall)

Standard 2: Physical Science - Students describe properties of common objects and how movement is a change of position.

Extended Standard 2: Students sort common objects by properties and observe how movement is a change of position.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
Physical Science	1S.2.3	Goal 2.3: Understand the Total Energy in the Universe is Constant	No objectives at this grade level.		No objectives at this grade level.

Standard 2: Physical Science - Students describe properties of common objects and how movement is a change of position.

Extended Standard 2: Students sort common objects by properties and observe how movement is a change of position.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
Physical Science	1.S.2.4	Goal 2.4: Understand the Structure of Atoms	No objectives at this grade level.		No objectives at this grade level.

Standard 2: Physical Science - Students describe properties of common objects and how movement is a change of position.

Extended Standard 2: Students sort common objects by properties and observe how movement is a change of position.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
Physical Science	1.S.2.5	Goal 2.5: Understand Chemical Reactions	No objectives at this grade level.		No objectives at this grade level.

Standard 3: Biology - Students describe the life cycles of living things and how they survive in their environment.

Extended Standard 3: Students explore the life cycles of living things and what they need to survive in their environment.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
Biology	1.S.3.1	Goal 3.1: Understand the Theory of Biological Evolution	No objectives at this grade level.		No objectives at this grade level.

Standard 3: Biology - Students describe the life cycles of living things and how they survive in their environment.

Extended Standard 3: Students explore the life cycles of living things and what they need to survive in their environment.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
Biology	1.S.3.2	Goal 3.1: Understand the Theory of Biological Evolution	1.S.3.1.1 Describe the life cycle of a plant (seed, growth, reproduction, death). (547.01.a)		1.S.3.1.1.A Observe the life cycle of a plant (seed, growth, death).
			1.S.3.1.2 Describe the life cycle of an animal (birth, development, reproduction, death). (547.01.a)		1.S.3.1.2.A Sequence a simple life cycle of an animal (birth, development, death).

Standard 3: Biology - Students describe the life cycles of living things and how they survive in their environment.

Extended Standard 3: Students explore the life cycles of living things and what they need to survive in their environment.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
Biology	1.S.3.3	Goal 3.3: Understand the Cell is the Basis of Form and Function for All Living Things	No objectives at this grade level.		No objectives at this grade level



Standard 4: Earth and Space Systems – Students describe characteristics for each season and the cycle of the seasons.

**Extended Standard 4: Students observe and identify characteristics in the cycle of the seasons.**

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
Earth and Space Systems	1.S.4.1	Goal 4.1: Understand Scientific Theories of Origin and Subsequent Changes in the Universe and Earth Systems	1.S.4.1.1 Identify the four seasons and their characteristics for a local region. <a href="#">(549.01.a)</a>		1.S.4.1.1.A Identify characteristics of the four seasons.

Standard 4: Earth and Space Systems – Students describe characteristics for each season and the cycle of the seasons.

**Extended Standard 4: Students observe and identify characteristics in the cycle of the seasons.**

	Gr	Goal	Objective	Essence	Extended Content Indicators
Earth and Space Systems	1.S.4.2	Goal 4.2: Understand Geo-chemical Cycles and Energy in the Earth System	No objectives at this grade level.		No objectives at this grade level.

Standard 5: Personal and Social Perspectives; Technology – Students describe characteristics of the local environment.

Extended Standard 5: Students match characteristics to local environments.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
Environmental Science	1.S.5.1	Goal 5.1: Understand Common Environmental Quality Issues, Both Natural and Human Induced	1.S.5.1.1 Identify the characteristics of local natural environments. (playground, backyard). (551.01.a)		1.S.5.1.1.A Match the characteristics of local natural environments. (playground, backyard).

Standard 5: Personal and Social Perspectives; Technology - Students describe characteristics of the local environment.

Extended Standard 5: Students match characteristics to local environments.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
Technology	1.S.5.2	Goal 5.2: Understand the Relationship between Science and Technology	No objectives at this grade level.		No objectives at this grade level.

Standard 5: Personal and Social Perspectives; Technology - Students describe characteristics of the local environment.

Extended Standard 5: Students match characteristics to local environments.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
Natural Resources	1.S.5.3	Goal 5.3: Understand the Importance of Natural Resources and the Need to Manage and Conserve Them	No objectives at this grade level.		No objectives at this grade level.