



	Grade K			
<b>K-PS-1.1 (Essential):</b> With guidance and support, plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object.	Disciplinary Core Ideas PS2.A: Forces and Motion PS2.B: Types of Interactions  Science and Engineering Practices Planning and Carrying Out Investigations  Crosscutting Concepts Cause and Effect	MATERIALS AND FORCES Investigation 3, Parts 1-3		
<b>K-PS-1.2 (Essential):</b> With guidance and support, analyze data to determine if a design solution works as intended to change the motion of an object with a push or a pull.*	Disciplinary Core Ideas PS2.A: Forces and Motion PS2.B: Types of Interactions ETS1.A: Defining Engineering Problems Science and Engineering Practices Analyzing and Interpreting Data Crosscutting Concepts Cause and Effect	MATERIALS AND FORCES Investigation 3, Parts 2 and 3		
<b>K-PS-2.1:</b> Make observations to determine the effect of the Sun's energy on the Earth's surface.	Disciplinary Core Ideas PS3.B: Conservation of Energy and Energy Transfer Science and Engineering Practices Planning and Carrying Out Investigations Crosscutting Concepts Cause and Effect	MATERIALS AND FORCES Investigation 1, Parts 1 and 2  TREES AND WEATHER Investigation 2, Part 2		
<b>K-PS-2.2 (Essential):</b> Design and build a structure that will reduce the warming effect of the sun's area on a material.*	Disciplinary Core Ideas PS3.B: Conservation of Energy and Energy Transfer Science and Engineering Practices Constructing Explanations and Designing Solutions Crosscutting Concepts Cause and Effect	MATERIALS AND FORCES Investigation 1, Parts 2-4 Investigation 2, Part 1		
<b>K-LS-1.1 (Essential):</b> Use observations to describe how plants and animals are alike and different in terms of how they live and grow.	Disciplinary Core Ideas LS1.C: Organization for Matter and Energy Flow in Organisms Science and Engineering Practices Analyzing and Interpreting Data Crosscutting Concepts Patterns	TREES AND WEATHER Investigation 1, Parts 1-4 Investigation 3, Parts 1-3  ANIMALS TWO BY TWO Investigation 1, Parts 1 and 2 Investigation 2, Parts 1-3 Investigation 3, Part 1 Investigation 4, Part 1		
<b>K-ESS-1.1 (Essential):</b> Use and share observations of local weather conditions to describe variations in patterns throughout the year.	Disciplinary Core Ideas ESS2.D: Weather and Climate Science and Engineering Practices Analyzing and Interpreting Data Crosscutting Concepts Patterns	TREES AND WEATHER Investigation 2, Parts 1-3 Investigation 3, Parts 1-3		

<sup>\*</sup>This performance expectation integrates traditional science content with engineering through a practice or disciplinary core idea.







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	Grade K	
<b>K-ESS-1.2:</b> With guidance and support, use evidence to construct an explanation of how plants and	<b>Disciplinary Core Ideas</b> ESS2.D: Weather and Climate ESS2.E: Biogeology	MATERIALS AND FORCES Investigation 1, Parts 2-4 Investigation 2, Part 2
animals interact with their environment to meet their needs.	Science and Engineering Practices Engaging in Argument from Evidence	TREES AND WEATHER Investigation 1, Part 1 Investigation 2, Parts 2 and 3
	Crosscutting Concepts Systems and System Models	Investigation 4, Part 2
<b>K-ESS-2.1 (Essential):</b> Use a model to represent the	<b>Disciplinary Core Ideas</b> ESS3.A: Natural Resources	<b>TREES AND WEATHER</b> Investigation 1, Parts 1-4
relationship between the needs of different plants and animals and the places they live.	<b>Science and Engineering Practices</b> Developing and Using Models	ANIMALS TWO BY TWO Investigation 1, Part 1 and 2
	<b>Crosscutting Concepts</b> System and System Models	Investigation 2, Parts 2 and 3 Investigation 3, Part 1
<b>K-ESS-2.2 (Essential):</b> Ask questions to obtain information	<b>Disciplinary Core Ideas</b> ESS3.B: Natural Hazards	TREES AND WEATHER Investigation 2, Part 3
about the purpose of weather forecasting to prepare for, and respond to, local weather.*	ETS1.A: Defining and Delimiting an Engineering Problem	
respond to, local weather.	Science and Engineering Practices Asking Questions and Defining Problems	
	Crosscutting Concepts Cause and Effect	
K-ESS-2.3 (Essential): Communicate ideas that would enable humans to interact in a	<b>Disciplinary Core Ideas</b> ESS3.C: Human Impacts on Earth Systems ETS1.B: Developing Possible Solutions	MATERIALS AND FORCES Investigation 2, Part 3
beneficial way with the land, water, air, and/or other living things in the local environment.*	<b>Science and Engineering Practices</b> Obtaining, Evaluating, and Communicating Information	
J	Crosscutting Concepts Cause and Effect	
	Grade K Engineering Correlations	
<b>K-2-ETS1-1:</b> Ask questions, make observations, and gather information about a situation	<b>Disciplinary Core Ideas</b> ETS1.A: Defining and Delimiting Engineering Problems	MATERIALS AND FORCES Investigation 1, Parts 2-4 Investigation 3, Part 3
people want to change to define a simple problem that can be solved	<b>Science and Engineering Practices</b> Asking Questions and Defining Problems	intestigation o, ruite
through the development of a new or improved object or tool.	Crosscutting Concepts Structure and Function	
<b>K-2-ETS1-2:</b> Develop a simple sketch, drawing, or physical model	<b>Disciplinary Core Ideas</b> ETS1.B: Developing Possible Solutions	MATERIALS AND FORCES Investigation 2, Part 3
to illustrate how the shape of an object helps it function as needed to solve a given problem.	Science and Engineering Practices Developing and Using Models	
J   1.22.0000	Crosscutting Concepts Structure and Function	











#### Detail Correlation for Idaho Content Standards - Science Grades K-5

**K-2-ETS1-3:** Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.

#### **Disciplinary Core Ideas**

ETS1.C: Optimizing the Design Solution

#### **Science and Engineering Practices**

Analyzing and Interpreting Data

#### **Crosscutting Concepts**

Structure and Function

#### **MATERIALS AND FORCES**

Investigation 2, Part 1











## **Disciplinary Core Ideas Assessment Opportunities**

<b>Grade K</b>	MATERIALS AND FORCES			TREES AND WEATHER			ANIMALS TWO BY TWO			
DCI	INV. 1	INV. 2	INV. 3	INV. 1	INV. 2	INV. 3	INV. 1	INV. 2	INV. 3	INV. 4
PS2.A										
PS2.B										
PS3.B										
PS3.C										
LS1.C										
ESS2.D										
ESS2.E										
ESS3.A										
ESS3.B										
ESS3.C										
ETS1.A										
ETS1.B										
ETS1.C										

## **Science and Engineering Practices Assessment Opportunities**

<b>Grade K</b>	MA	MATERIALS AND FORCES			TREES AND WEATHER						
SEP	INV. 1	INV. 2	INV. 3	INV. 1	INV. 2	INV. 3	INV. 1	INV. 2	INV. 3	INV. 4	
Asking Questions and Defining Problems											
Developing and Using Models											
Planning and Carrying Out Investigations											
Analyzing and Interpreting Data											
Using Mathematics and Computational Thinking											
Constructing Explanations and Designing Solutions											
Engaging in Argument from Evidence											
Obtaining, Evaluating, and Communicating Information											











<b>Grade K</b>	MATERIALS AND FORCES			TREES	TREES AND WEATHER			ANIMALS TWO BY TWO			
ссс	INV. 1	INV. 2	INV. 3	INV. 1	INV. 2	INV. 3	INV. 1	INV. 2	INV. 3	INV. 4	
Patterns											
Cause and Effect											
Scale, Proportion, and Quantity											
Systems and System Models											
Energy and Matter											
Structure and Function											
Stability and Change											



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	Grade 1				
1-PS-1.1 (Essential): With guidance and support, plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate.	Disciplinary Core Ideas PS4.A: Wave Properties  Science and Engineering Practices Planning and Carrying Out Investigations  Crosscutting Concepts Cause and Effect	SOUND AND LIGHT Investigation 1, Parts 1 and 2 Investigation 2, Parts 1 and 2 Side Trip 1			
<b>1-PS-1.2:</b> Make observations to construct an evidence-based explanation that objects in darkness can be seen only when illuminated.	Disciplinary Core Ideas PS4.B: Electromagnetic Radiation Science and Engineering Practices Constructing Explanations and Designing Solutions Crosscutting Concepts Cause and Effect	SOUND AND LIGHT Investigation 4, Part 2 Side Trip 2			
<b>1-PS-1.3 (Essential):</b> With guidance and support, plan and conduct investigations to determine the effect of placing materials in the path of a beam of light.	Disciplinary Core Ideas PS4.B: Electromagnetic Radiation Science and Engineering Practices Planning and Evaluating Information Crosscutting Concepts Cause and Effect	SOUND AND LIGHT Investigation 3, Parts 1 and 2 Investigation 4, Parts 1-3			
<b>1-PS-1.4 (Essential):</b> Design and build a device that used light or sound to communicate over a distance.*	Disciplinary Core Ideas PS4.C: Information Technologies and Instrumentation Science and Engineering Practices Constructing Explanations and Designing Solutions Crosscutting Concepts Cause and Effect	SOUND AND LIGHT Investigation 2, Part 2			
<b>1-LS-1.1 (Essential):</b> Design and build a solution to a human problem by mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs.*	Disciplinary Core Ideas LS1.A: Structure and Function LS1.D: Information Processing Science and Engineering Practices Constructing Explanations and Designing Solutions Crosscutting Concepts Structure and Function	PLANTS AND ANIMALS Investigation 3, Part 1			
<b>1-LS-1.2:</b> Obtain information to identify patterns of behavior in parents and offspring that help offspring survive.	Disciplinary Core Ideas LS1.B: Growth and Development of Organisms Science and Engineering Practices Obtaining, Evaluating, and Communicating Information Crosscutting Concepts Patterns	PLANTS AND ANIMALS Investigation 2, Part 2			









#### Detail Correlation for Idaho Content Standards - Science Grades K-5

**1-LS-1.3:** Use classification supported by evidence to differentiate between living and non-living items.

#### **Disciplinary Core Ideas**

LS1.C: Organization for Matter and Energy Flow in Organisms

#### **Science and Engineering Practices**

Obtaining, Evaluating, and Communicating Information

#### **Crosscutting Concepts**

Patterns

#### **PLANTS AND ANIMALS**

NG Edition Animals Two by Two Student Science Resources article, "Living and Nonliving."

\*This performance expectation integrates traditional science content with engineering through a practice or disciplinary

	Grade 1			
<b>1-LS-2.1 (Essential):</b> Make observations to construct an evidence-based account that offspring are similar to, but not identical to, their parents.	Disciplinary Core Ideas LS3.A: Inheritance of Traits LS3.B: Variation of Traits  Science and Engineering Practices Constructing Explanations and Designing Solutions  Crosscutting Concepts Patterns	PLANTS AND ANIMALS Investigation 1, Parts 1 and 2 Investigation 2, Parts 1 and 2		
<b>1-ESS-1.1 (Essential):</b> Use observations of the sun, moon, and stars to describe patterns that can be predicted.	Disciplinary Core Ideas ESS1.A: The Universe and Its Stars  Science and Engineering Practices Analyzing and Interpreting Data  Crosscutting Concepts Patterns	CHANGES IN THE SKY Investigation 1, Parts 1-3 Investigation 2, Parts 1 and 2		
<b>1-ESS-1.2 (Essential):</b> Make observations at different times of year to relate the amount of daylight to the time of year.	Disciplinary Core Ideas ESS1.B: Earth and the Solar System Science and Engineering Practices Planning and Carrying Out Investigations Crosscutting Concepts Patterns	SOUND AND LIGHT Investigation 3, Part 1		
	Grade 1 Engineering Correlations			
<b>K-2-ETS1-1:</b> Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.	Disciplinary Core Ideas ETS1.A: Defining and Delimiting Engineering Problems Science and Engineering Practices Asking Questions and Defining Problems Crosscutting Concepts Structure and Function	Investigation 2, Part 2 Investigation 4, Part 3  PLANTS AND ANIMALS Investigation 3, Part 1		











<b>K-2-ETS1-2:</b> Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.	Disciplinary Core Ideas ETS1.B: Developing Possible Solutions Science and Engineering Practices Developing and Using Models Crosscutting Concepts Structure and Function	SOUND AND LIGHT Investigation 2, Part 2 Investigation 4, Part 3 Side Trip 1  PLANTS AND ANIMALS Investigation 3, Part 1
<b>K-2-ETS1-3:</b> Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.	Disciplinary Core Ideas ETS1.C: Optimizing the Design Solution Science and Engineering Practices Analyzing and Interpreting Data Crosscutting Concepts Structure and Function	SOUND AND LIGHT Investigation 2, Part 2

<sup>\*</sup>This performance expectation integrates traditional science content with engineering through a practice or disciplinary core idea.











## **Disciplinary Core Ideas Assessment Opportunities**

Grade 1	SOUND AND LIGHT			CHANG	CHANGES IN THE SKY			PLANTS AND ANIMALS		
DCI	INV. 1	INV. 2	INV. 3	INV. 4	INV. 1	INV. 2	INV. 3	INV. 1	INV. 2	INV. 3
PS4.A										
PS4.B										
PS4.C										
LS1.A										
LS1.B										
LS3.A										
LS3.B										
ESS1.A										
ESS1.B										
ETS1.A										
ETS1.B										
ETS1.C										

## **Science and Engineering Practices Assessment Opportunities**

Grade 1	S	OUND A	ND LIGH	п	CHANG	GES IN T	HE SKY	PLANTS	S AND AI	NIMALS
SEP	INV. 1	INV. 2	INV. 3	INV. 4	INV. 1	INV. 2	INV. 3	INV. 1	INV. 2	INV. 3
Asking Questions and Defining Problems										
Developing and Using Models										
Planning and Carrying Out Investigations										
Analyzing and Interpreting Data										
Using Mathematics and Computational Thinking										
Constructing Explanations and Designing Solutions										
Engaging in Argument from Evidence										
Obtaining, Evaluating, and Communicating Information										











### Detail Correlation for Idaho Content Standards - Science Grades K-5

Grade 1	SOUND AND LIGHT			CHANGES IN THE SKY			PLANTS AND ANIMALS			
ссс	INV. 1	INV. 2	INV. 3	INV. 4	INV. 1	INV. 2	INV. 3	INV. 1	INV. 2	INV. 3
Patterns										
Cause and Effect										
Scale, Proportion, and Quantity										
Systems and System Models										
Structure and Function										
Stability and Change										



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	Grade 2	
<b>2-PS-1.1 (Essential):</b> Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.	Disciplinary Core Ideas PS1.A: Structure and Properties of Matter Science and Engineering Practices Planning and Carrying Out Investigations Crosscutting Concepts Patterns	Investigation 1, Parts 1 and 2 Investigation 2, Parts 1-3 Investigation 3, Parts 1-3  WATER AND LANDFORMS Investigation 1, Parts 1 and 2 Investigation 2, Parts 1 and 2
<b>2-PS-1.2:</b> Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.*	Disciplinary Core Ideas PS1.A: Structure and Properties of Matter Science and Engineering Practices Analyzing and Interpreting Data Crosscutting Concepts Cause and Effect	SOLIDS AND LIQUIDS Investigation 1, Part 3 Side Trip 1
<b>2-PS-1.3:</b> Make observations to construct an evidence-based argument that objects, when disassembled, may be used to create new objects using the same set of components.	Disciplinary Core Ideas PS1.A: Structure and Properties of Matter  Science and Engineering Practices Constructing Explanations and Designing Solutions  Crosscutting Concepts Energy and Matter	SOLIDS AND LIQUIDS Investigation 1, Part 3
<b>2-PS-1.4 (Essential):</b> Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot.	Disciplinary Core Ideas PS1.B: Chemical Reactions Science and Engineering Practices Engaging in Argument from Evidence Crosscutting Concepts Cause and Effect	SOLIDS AND LIQUIDS Investigation 3, Parts 2 and 3
<b>2-LS-1.1 (Essential):</b> Plan and conduct an investigation to determine the impact of light and water on the growth of plants.	Disciplinary Core Ideas LS2.A: Interdependent Relationships in Ecosystems Science and Engineering Practices Planning and Carrying Out Investigations Crosscutting Concepts Cause and Effect	INSECTS AND PLANTS Investigation 2, Parts 1 and 2 Side Trip 2
<b>2-LS-1.2 (Essential):</b> Develop a simple model that mimics the function of an animals in dispersing seeds or pollinating plants.*	Disciplinary Core Ideas LS2.A: Interdependent Relationships in Ecosystems ETS1.B: Developing Possible Solutions Science and Engineering Practices Developing and Using Models Crosscutting Concepts Structure and Function	INSECTS AND PLANTS Investigation 2, Part 3 Investigation 3, Part 2











#### Detail Correlation for Idaho Content Standards - Science Grades K-5

**2-LS-4.1 (Essential):** Make observations of plants and animals to compare the diversity of life in different habitats.

#### **Disciplinary Core Ideas**

LS4.D: Biodiversity and Humans

#### **Science and Engineering Practices**

Planning and Carrying Out Investigations

#### **Crosscutting Concepts**

Not explicitly stated

#### **INSECTS AND PLANTS**

Investigation 1, Parts 1-3 Investigation 3, Part 1

\*This performance expectation integrates traditional science content with engineering through a practice or disciplinary

	Grade 2	
<b>2-ESS-1.1:</b> Use information from several sources to provide evidence that Earth events can occur quickly or slowly.	Disciplinary Core Ideas ESS1.C: The History of Planet Earth  Science and Engineering Practices Constructing Explanations and Designing Solutions  Crosscutting Concepts Stability and Change	WATER AND LANDFORMS Investigation 1, Parts 1 and 2 Investigation 2, Parts 1 and 2 WATER AND LANDFORMS Investigation 3, Parts 1 and 2
<b>2-ESS-2.1 (Essential):</b> Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land.*	Disciplinary Core Ideas ESS2.A: Earth Materials and Systems ETS1.C: Optimizing the Design Solution  Science and Engineering Practices Constructing Explanations and Designing Solutions  Crosscutting Concepts Stability and Change	WATER AND LANDFORMS Investigation 3, Part 1
<b>2-ESS-2.2 (Essential):</b> Develop a model to represent the shapes and kinds of land and bodies of water in an area.	Disciplinary Core Ideas ESS2.B: Plate Tectonics and Large-Scale System Interactions Science and Engineering Practices Developing and Using Models Crosscutting Concepts Patterns	WATER AND LANDFORMS Investigation 4, Part 2
<b>2-ESS-2.3:</b> Obtain information to identify where water is found on Earth and that it can be solid or liquid.	Disciplinary Core Ideas ESS2.C: The Roles of Water in Earth's Surface Processes Science and Engineering Practices Obtaining, Evaluating, and Communicating Information Crosscutting Concepts Patterns	WATER AND LANDFORMS Investigation 4, Part 1
	Grade 2 Engineering Correlations	
<b>K-2-ETS1-1:</b> Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.	Disciplinary Core Ideas ETS1.A: Defining and Delimiting Engineering Problems Science and Engineering Practices Asking Questions and Defining Problems Crosscutting Concepts Structure and Function	SOLIDS AND LIQUIDS Investigation 1, Part 3











### Detail Correlation for Idaho Content Standards - Science Grades K-5

<b>K-2-ETS1-2:</b> Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.	Disciplinary Core Ideas ETS1.B: Developing Possible Solutions Science and Engineering Practices Developing and Using Models Crosscutting Concepts Structure and Function	SOLIDS AND LIQUIDS Investigation 1, Part 3  INSECTS AND PLANTS Investigation 2, Part 3 Investigation 4, Part 2
<b>K-2-ETS1-3:</b> Analyze data from tests of two objects designed to	<b>Disciplinary Core Ideas</b> ETS1.C: Optimizing the Design Solution	SOLIDS AND LIQUIDS Investigation 1, Part 3
solve the same problem to compare the strengths and weaknesses of how each performs.	Science and Engineering Practices Analyzing and Interpreting Data	WATER AND LANDFORMS Investigation 3, Part 1
·	Crosscutting Concepts Structure and Function	J

<sup>\*</sup>This performance expectation integrates traditional science content with engineering through a practice or disciplinary core idea.

## **Disciplinary Core Ideas Assessment Opportunities**

Grade 2	SOLID	SOLIDS AND LIQUIDS			ER AND	LANDFO	RMS	INSECTS AND PLANTS			
DCI	INV. 1	INV. 2	INV. 3	INV. 1	INV. 2	INV. 3	INV. 4	INV. 1	INV. 2	INV. 3	
PS1.A											
PS1.B											
LS1.A											
LS1.B											
LS2.A											
LS4.D											
ESS1.C											
ESS2.A											
ESS2.B											
ESS2.C											
ETS1.A											
ETS1.B											
ETS1.C											







## **Science and Engineering Practices Assessment Opportunities**

Grade 2	SOLID	SOLIDS AND LIQUIDS			ER AND	LANDFO	RMS	INSECTS AND PLANTS			
SEP	INV. 1	INV. 2	INV. 3	INV. 1	INV. 2	INV. 3	INV. 4	INV. 1	INV. 2	INV. 3	
Asking Questions and Defining Problems											
Developing and Using Models											
Planning and Carrying Out Investigations											
Analyzing and Interpreting Data											
Using Mathematics and Computational Thinking											
Constructing Explanations and Designing Solutions											
Engaging in Argument from Evidence											
Obtaining, Evaluating, and Communicating Information											

Grade 2	SOLID	S AND LI	QUIDS	WAT	ER AND	LANDFO	RMS	INSECTS AND PLANTS			
ссс	INV. 1	INV. 2	INV. 3	INV. 1	INV. 2	INV. 3	INV. 4	INV. 1	INV. 2	INV. 3	
Patterns											
Cause and Effect											
Scale, Proportion, and Quantity											
Systems and System Models											
Energy and Matter											
Structure and Function											
Stability and Change											





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	Grade 3	
<b>3-PS-1.1 (Essential):</b> Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object.	Disciplinary Core Ideas PS2.A: Forces and Motion PS2.B: Types of Interactions Science and Engineering Practices Planning and Carrying Out Investigations Crosscutting Concepts Cause and Effect	MOTION Investigation 3, Parts 1-3
<b>3-PS-1.2 (Essential):</b> Make observations and/or measurements of an object's motion to provide evidence that a pattern can be used to predict future motion.	Disciplinary Core Ideas PS2.A: Forces and Motion Science and Engineering Practices Planning and Carrying Out Investigations Crosscutting Concepts Patterns	MOTION Investigation 1, Parts 2 and 3 Investigation 2, Parts 1-3
<b>3-PS-1.3 (Essential):</b> Ask questions to determine cause and effect relationships of static electricity or magnetic interactions between two objects not in contact with each other.	Disciplinary Core Ideas PS2.B: Types of Interactions Science and Engineering Practices Asking Questions and Defining Solutions Crosscutting Concepts Cause and Effect	MOTION Investigation 1, Parts 1-3
<b>3-PS-1.4:</b> Define a problem that can be solved by applying scientific ideas about magnets.*	Disciplinary Core Ideas PS2.B: Types of Interactions Science and Engineering Practices Asking Questions and Defining Problems Crosscutting Concepts Interdependence of Science, Engineering, and Technology	MOTION Investigation 3, Part 4
<b>3-LS-1.1 (Essential):</b> Develop models to demonstrate that living things, although they have unique and diverse life cycles, all have birth, growth, reproduction, and death in common.	Disciplinary Core Ideas LS1.B: Growth and Development of Organisms Science and Engineering Practices Developing and Using Models Crosscutting Concepts Patterns	STRUCTURES OF LIFE Investigation 1, Parts 1-3 Investigation 2, Parts 1 and 2 Investigation 3, Parts 1 and 2
<b>3-LS-2.1:</b> Construct an argument that some animals form groups that help members survive.	Disciplinary Core Ideas LS2.D: Social Interactions and Group Behavior Science and Engineering Practices Engaging in Argument from Evidence Crosscutting Concepts Cause and Effect	STRUCTURES OF LIFE Investigation 3, Part 3











#### Detail Correlation for Idaho Content Standards - Science Grades K-5

**3-LS-3.1 (Essential):** Analyze and interpret data to provide evidence that plants and animals have traits inherited from parents and that variation of these traits exists in a group of similar organisms.

**Disciplinary Core Ideas** LS3.A: Inheritance of Traits LS3.B: Variation of Traits

**Science and Engineering Practices** 

Analyzing and Interpreting Data

**Crosscutting Concepts** 

**Patterns** 

#### **STRUCTURES OF LIFE**

Investigation 2, Parts 1 and 2 Investigation 3, Part 2 Investigation 4, Part 1

	Grade 3			
<b>3-LS-3.2 (Essential):</b> Use evidence to support the explanation that traits can be influenced by the environment.	<b>Disciplinary Core Ideas</b> LS3.A: Inheritance of Traits LS3.B: Variation of Traits	STRUCTURES OF LIFE Investigation 2, Part 2		
environment.	Science and Engineering Practices Constructing Explanations and Designing Solutions			
	Crosscutting Concepts Cause and Effect			
<b>3-LS-4.3 (Essential):</b> Construct an argument with evidence that in a	Disciplinary Core Ideas LS4.C: Adaptation	STRUCTURES OF LIFE Investigation 3, Part 2		
particular habitat some organisms can survive well, some survive less well, and some cannot survive at all.	Science and Engineering Practices Engaging in Argument from Evidence	Investigation 4, Parts 1 and 2		
	Crosscutting Concepts Interdependence of Science, Engineering, and Technology			
<b>3-ESS-1.1 (Essential):</b> Represent data in tables and graphical displays to describe typical weather conditions expected during a particular season.	Disciplinary Core Ideas ESS2.D: Weather and Climate Science and Engineering Practices Analyzing and Interpreting Data Crosscutting Concepts	WATER AND CLIMATE Investigation 2, Parts 1 and 2 Investigation 4, Part 1		
<b>3-ESS-1.2 (Essential):</b> Obtain and	Patterns  Disciplinary Core Ideas	WATER AND CLIMATE		
combine information to describe climates in different regions of the	ESS2.D: Weather and Climate	Investigation 4, Part 2		
world.	Science and Engineering Practices Obtaining, Evaluating, and Communicating Information			
	Crosscutting Concepts Patterns			

<sup>\*</sup>This performance expectation integrates traditional science content with engineering through a practice or disciplinary core idea.







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	Grade 3	
<b>3-ESS-2.1 (Essential):</b> Make a claim about the merit of a design solution	<b>Disciplinary Core Ideas</b> ESS3.B: Natural Hazards	WATER AND CLIMATE Investigation 1, Parts 1-4
that reduces the impacts of a weather-related hazard.*	Science and Engineering Practices Engaging in Argument from Evidence	(foundational) Investigation 3, Parts 1-4
	Crosscutting Concepts Cause and Effect	
	Grade 3 Engineering Correlations	
<b>3-5-ETS1-1:</b> Define a simple design problem reflecting a need or a want	<b>Disciplinary Core Ideas</b> ETS1.A: Defining and Delimiting Engineering Problems	MOTION Investigation 3, Parts 1 and 4
that includes specified criteria for success and constraints on materials, time, or cost.	<b>Science and Engineering Practices</b> Asking Questions and Defining Problems	
	<b>Crosscutting Concepts</b> Influence of Engineering, Technology, and Science on Society and the Natural World	
<b>3-5-ETS1-2:</b> Generate and compare multiple possible solutions to a	<b>Disciplinary Core Ideas</b> ETS1.B: Developing Possible Solutions	MOTION Investigation 3, Parts 2 and 4
problem based on how well each is likely to meet the criteria and constraints of the problem.	<b>Science and Engineering Practices</b> Constructing Explanations and Designing Solutions	
'	<b>Crosscutting Concepts</b> Influence of Engineering, Technology, and Science on Society and the Natural World	
<b>3-5-ETS1-3:</b> Plan and carry out fair tests in which variables are	<b>Disciplinary Core Ideas</b> ETS1.C: Optimizing the Design Solution	MOTION Investigation 3, Part 3
controlled and failure points are considered to identify aspects of a model or prototype that can be	<b>Science and Engineering Practices</b> Planning and Carrying Out Investigations	
improved.	Crosscutting Concepts None explicitly stated	

<sup>\*</sup>This performance expectation integrates traditional science content with engineering through a practice or disciplinary core idea.











## **Disciplinary Core Ideas Assessment Opportunities**

Grade 3	w	WATER AND CLIMATE				MOTION			STRUCTURES OF LIFE			
DCI	INV. 1	INV. 2	INV. 3	INV. 4	INV. 1	INV. 2	INV. 3	INV. 1	INV. 2	INV. 3	INV. 4	
PS2.A												
PS2.B												
LS1.A												
LS1.B												
LS2.C												
LS2.D												
LS3.A												
LS3.B												
LS4.A												
LS4.B												
LS4.C												
LS4.D												
ESS2.C												
ESS2.D												
ESS3.B												
ETS1.A												
ETS1.B												
ETS1.C												





## **Science and Engineering Practices Assessment Opportunities**

Grade 3	W	WATER AND CLIMATE				MOTION			STRUCTURES OF LIFE			
SEP	INV. 1	INV. 2	INV. 3	INV. 4	INV. 1	INV. 2	INV. 3	INV. 1	INV. 2	INV. 3	INV. 4	
Asking Questions and Defining Problems												
Developing and Using Models												
Planning and Carrying Out Investigations												
Analyzing and Interpreting Data												
Using Mathematics and Computational Thinking												
Constructing Explanations and Designing Solutions												
Engaging in Argument from Evidence												
Obtaining, Evaluating, and Communicating Information												

Grade 3	WATER AND CLIMATE				MOTION			STRUCTURES OF LIFE			
ссс	INV. 1	INV. 2	INV. 3	INV. 4	INV. 1	INV. 2	INV. 3	INV. 1	INV. 2	INV. 3	INV. 4
Patterns											
Cause and Effect											
Scale, Proportion, and Quantity											
Systems and System Models											
Structure and Function											

# FOSS PATHWAYS\* Developed at The Lawrence Hall of Science



	Grade 4	
<b>4-PS-1.1:</b> Use evidence to construct an explanation relating the speed of an object to the energy of that object.	Disciplinary Core Ideas PS3.A: Definitions of Energy Science and Engineering Practices Constructing Explanations and Designing Solutions	<b>ENERGY</b> Investigation 3, Parts 1 and 2
	Crosscutting Concepts Energy and Matter	
<b>4-PS-1.2 (Essential):</b> Make observations to provide evidence that energy can be transferred by	<b>Disciplinary Core Ideas</b> PS3.A: Definitions of Energy PS3.B: Conservation of Energy and Energy Transfer	ENERGY Investigation 1, Parts 1-3 Investigation 2, Parts 1-3
heat, sound, light, and electric currents.	<b>Science and Engineering Practices</b> Planning and Carrying Out Investigations	
	Crosscutting Concepts Energy and Matter	
<b>4-PS-1.3 (Essential):</b> Ask questions and predict outcomes about the changes in energy that occur when objects collide.	<b>Disciplinary Core Ideas</b> PS3.A: Definitions of Energy PS3.B: Conservation of Energy and Energy Transfer PS3.C: Relationship Between Energy and Forces	<b>ENERGY</b> Investigation 3, Part 2
	<b>Science and Engineering Practices</b> Asking Questions and Defining Problems	
	Crosscutting Concepts Energy and Matter	
<b>4-PS-1.4 (Essential):</b> Apply scientific ideas to design, test, and refine a device that converts energy	<b>Disciplinary Core Ideas</b> PS3.B: Conservation of Energy and Energy Transfer PS3.D: Energy in Chemical Processes and Everyday Life	<b>ENERGY</b> Investigation 1, Parts 2 and 3 Investigation 2, Parts 1 and 2
from one form to another.*	<b>Science and Engineering Practices</b> Constructing Explanations and Designing Solutions	
	Crosscutting Concepts Energy and Matter	
<b>4-PS-2.1 (Essential):</b> Develop a model of waves to describe patterns	<b>Disciplinary Core Ideas</b> PS4.A: Wave Properties	<b>ENERGY</b> Investigation 4, Part 2
in terms of amplitude and wavelength and that waves can cause objects to move.	<b>Science and Engineering Practices</b> Developing and Using Models	
cause objects to move.	<b>Crosscutting Concepts</b> Patterns	
<b>4-PS-2.2 (Essential):</b> Develop a model to describe that light	<b>Disciplinary Core Ideas</b> PS4.B: Electromagnetic Radiation	ENERGY Investigation 4, Part 1
reflecting from objects and entering the eye allows objects to be seen.	<b>Science and Engineering Practices</b> Developing and Using Models	
	Crosscutting Concepts Patterns	











#### Detail Correlation for Idaho Content Standards - Science Grades K-5

**4-PS-2.3 (Extended Essential with Assessment as Optional):** Generate and compare multiple solutions that use patterns to transfer information.\*

#### **Disciplinary Core Ideas**

PS4.C: Information Technologies and Instrumentation

#### **Science and Engineering Practices**

Constructing Explanations and Designing Solutions

#### **Crosscutting Concepts**

Patterns

#### **ENERGY**

Investigation 2, Parts 2 and 3

	Grade 4	
<b>4-LS-1.1:</b> Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.	Disciplinary Core Ideas LS1.A: Structure and Function Science and Engineering Practices Engaging in Argument from Evidence Crosscutting Concepts Systems and System Models	SENSES AND SURVIVAL Investigation 1, Parts 1-2 Investigation 2, Parts 1 and 2 Investigation 3, Parts 1 and 2
<b>4-LS-1.2 (Essential):</b> Use a model to describe that animals receive different types of information through their senses, process that information in their brain, and respond to the information in different ways.	Disciplinary Core Ideas LS1.D: Information Processing Science and Engineering Practices Engaging in Argument from Evidence Crosscutting Concepts System and System Models	SENSES AND SURVIVAL Investigation 1, Parts 1-3
<b>4-ESS-1.1 (Essential):</b> Identify evidence from patterns in rock formations and fossils in rock layers for changes in landscape over time to support an explanation for changes in a landscape over time.	Disciplinary Core Ideas ESS1.C: The History of Planet Earth  Science and Engineering Practices Constructing Explanations and Designing Solutions  Crosscutting Concepts Patterns	SOILS, ROCKS, AND LANDFORMS Investigation 4, Part 2
<b>4-ESS-2.1 (Essential):</b> Make observations and/or measurements to provide evidence of the effects of weathering or the rate of erosion by water, ice, wind, or vegetation.	Disciplinary Core Ideas ESS2.A: Earth Materials and Systems ESS2.E: Biogeology Science and Engineering Practices Planning and Carrying Out Investigations Crosscutting Concepts Cause and Effect	SOILS, ROCKS, AND LANDFORMS Investigation 1, Parts 1 and 2 Investigation 2, Parts 1-3
<b>4-ESS-2.2 (Essential):</b> Analyze and interpret data from maps to describe patterns of Earth's features.	Disciplinary Core Ideas ESS2.B: Plate Tectonics and Large-Scale System Interactions Science and Engineering Practices Analyzing and Interpreting Data Crosscutting Concepts Patterns	SOILS, ROCKS, AND LANDFORMS Investigation 3, Parts 1 and 2 Investigation 4, Part 1











<b>4-ESS-3.1 (Essential):</b> Obtain and combine information to describe that energy and fuels are derived from natural resources and their uses affect the environment.	Disciplinary Core Ideas ESS3.A: Natural Resources Science and Engineering Practices Obtaining, Evaluating, and Communicating Information Crosscutting Concepts Cause and Effect	Energy Investigation 1, Part 2
<b>4-ESS-3.2 (Essential):</b> Generate and compare multiple solutions to reduce the impacts of natural Earth processes on humans.*	Disciplinary Core Ideas ESS3.B: Natural Hazards  Science and Engineering Practices Constructing Explanations and Designing Solutions  Crosscutting Concepts Cause and Effect	SOILS, ROCKS, AND LANDFORMS Investigation 2, Part 3 Investigation 3, Part 2

<sup>\*</sup>This performance expectation integrates traditional science content with engineering through a practice or disciplinary core idea.

	Grade 4	
	Grade 4 Engineering Correlations	
<b>3-5-ETS1-1:</b> Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.	Disciplinary Core Ideas ETS1.A: Defining and Delimiting Engineering Problems Science and Engineering Practices Asking Questions and Defining Problems Crosscutting Concepts Influence of Engineering, Technology, and Science on Society and the Natural World	Investigation 1, Part 3 Investigation 2, Part 1  SENSES AND SURVIVAL Investigation 3, Part 1
<b>3-5-ETS1-2:</b> Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.	Disciplinary Core Ideas ETS1.B: Developing Possible Solutions  Science and Engineering Practices Constructing Explanations and Designing Solutions  Crosscutting Concepts Influence of Engineering, Technology, and Science on Society and the Natural World	ENERGY Investigation 2, Part 2  SOILS, ROCKS, AND LANDFORMS Investigation 2, Part 3
<b>3-5-ETS1-3:</b> Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved.	Disciplinary Core Ideas ETS1.C: Optimizing the Design Solution Science and Engineering Practices Planning and Carrying Out Investigations Crosscutting Concepts Influence of Engineering, Technology, and Science on Society and the Natural World	ENERGY Investigation 2, Part 2











### Detail Correlation for Idaho Content Standards - Science Grades K-5

## **Disciplinary Core Ideas Assessment Opportunities**

Grade 4	S	OILS, RO LANDI	CKS, AN FORMS	D		ENI	ERGY		SENSES	S AND SU	RVIVAL
DCI	INV. 1	INV. 2	INV. 3	INV. 4	INV. 1	INV. 2	INV. 3	INV. 4	INV. 1	INV. 2	INV. 3
PS3.A											
PS3.B											
PS3.C											
PS3.D											
PS4.A											
PS4.B											
PS4.C											
LS1.A											
LS1.D											
ESS1.C											
ESS2.A											
ESS2.B											
ESS2.E											
ESS3.A											
ESS3.B											
ETS1.A											
ETS1.B											
ETS1.C											





## **Science and Engineering Practices Assessment Opportunities**

Grade 4	S	OILS, RO LANDI	CKS, AN ORMS	D		EN	ERGY		SENSES	S AND SU	RVIVAL
SEP	INV. 1	INV. 2	INV. 3	INV. 4	INV. 1	INV. 2	INV. 3	INV. 4	INV. 1	INV. 2	INV. 3
Asking Questions and Defining Problems											
Developing and Using Models											
Planning and Carrying Out Investigations											
Analyzing and Interpreting Data											
Using Mathematics and Computational Thinking											
Constructing Explanations and Designing Solutions											
Engaging in Argument from Evidence											
Obtaining, Evaluating, and Communicating Information											

Grade 4	S	OILS, RO LANDI	CKS, AN FORMS	D		EN	ERGY		SENSES AND SURVIVAL			
ссс	INV. 1	INV. 2	INV. 3	INV. 4	INV. 1	INV. 2	INV. 3	INV. 4	INV. 1	INV. 2	INV. 3	
Patterns												
Cause and Effect												
Scale, Proportion, and Quantity												
Systems and System Models												
Energy and Matter in Systems												
Structure and Function												
Stability and Change of Systems												





	Grade 5	
<b>5-PS-1.1 (Essential):</b> Develop a model to describe that matter is made of particles too small to be seen.	Disciplinary Core Ideas PS1.A: Structure and Properties of Matter Science and Engineering Practices Developing and Using Models Crosscutting Concepts Scale, Proportion, and Quantity	MIXTURES AND SOLUTIONS Investigation 1, Parts 1-4 Investigation 2, Parts 1 and 2  EARTH AND SUN Investigation 1, Parts 1 and 2
<b>5-PS-1.2 (Essential):</b> Measure and graph quantities to provide evidence that regardless of the type of change that occurs when heating, cooling, or mixing substances, the total weight of matter is conserved.	Disciplinary Core Ideas PS1.A: Structure and Properties of Matter PS1.B: Chemical Reactions  Science and Engineering Practices Using Mathematics and Computational Thinking  Crosscutting Concepts Scale, Proportion, and Quantity	MIXTURES AND SOLUTIONS Investigation 1, Parts 2 and 4
<b>5-PS-1.3:</b> Make observations and measurements to identify materials based on their properties.	Disciplinary Core Ideas PS1.A: Structure and Properties of Matter Science and Engineering Practices Planning and Carrying Out Investigations Crosscutting Concepts Scale, Proportion, and Quantity	MIXTURES AND SOLUTIONS Investigation 3, Parts 1-3
<b>5-PS-1.4 (Essential):</b> Conduct an investigation to determine whether the mixing of two or more substances results in new substances.	Disciplinary Core Ideas PS1.B: Chemical Reactions Science and Engineering Practices Planning and Carrying Out Investigations Crosscutting Concepts Cause and Effect	MIXTURES AND SOLUTIONS Investigation 4, Parts 1 and 2
<b>5-PS-2.1 (Essential):</b> Support an argument that Earth's gravitational force exerted on objects is directed downward.	Disciplinary Core Ideas PS2.B: Types of Interactions Science and Engineering Practices Engaging in Argument from Evidence Crosscutting Concepts Cause and Effect	EARTH AND SUN Investigation 4, Part 1
<b>5-PS-3.1 (Essential):</b> Use models to describe that energy in animals' food (used for body repair, growth, motion and to maintain body warmth) was once energy from the sun.	Disciplinary Core Ideas PS3.D: Energy in Chemical Processes and Everyday Life LS1.C: Organization for Matter and Energy Flow in Organisms Science and Engineering Practices Developing and Using Models Crosscutting Concepts Energy and Matter	LIVING SYSTEMS Investigation 2, Parts 1 and 2







	Grade 5	
<b>5-LS-1.1 (Essential):</b> Support an argument that plants get what they need for growth chiefly from air, water, and energy from the Sun.	<b>Disciplinary Core Ideas</b> LS1.C: Organization for Matter and Energy Flow in Organisms	<b>LIVING SYSTEMS</b> Investigation 2, Part 1
water, and energy from the Sun.	Science and Engineering Practices Engaging in Argument from Evidence	
	Crosscutting Concepts Energy and Matter	
<b>5-LS-2.1 (Essential):</b> Analyze and interpret data from fossils to provide evidence of the types of organisms	Disciplinary Core Ideas LS4.A: Evidence of Common Ancestry and Diversity	STRUCTURES OF LIFE Investigation 4, Part 2 (Digital only)
and the environments that existed long ago and compare those to living	Science and Engineering Practices Analyzing and Interpreting Data	, , ,
organisms and their environments.	Crosscutting Concepts Scale, Proportion, and Quantity	
<b>5-LS-2.2 (Essential):</b> Construct an argument from evidence for how the	<b>Disciplinary Core Ideas</b> LS4.B: Natural Selection	STRUCTURES OF LIFE Investigation 4, Part 1
variations in characteristics among individuals of the same species may provide advantages in surviving,	Science and Engineering Practices Constructing Explanations and Designing Solutions	(Digital only)
finding mates, and reproducing.	Crosscutting Concepts Cause and Effect	
<b>3-LS-2.3 (Essential):</b> Make a claim about the merit of a solution to a problem caused when the	Disciplinary Core Ideas LS2.C: Ecosystem Dynamics, Functioning, and Resilience	STRUCTURES OF LIFE Investigation 4, Part 1 (Digital only)
environment changes and the types of plants and animals living there may	Science and Engineering Practices Engaging in Argument from Evidence	(2.3/(2.3/1.0))
change.*	Crosscutting Concepts Systems and System Models	
<b>5-LS-2.4 (Essential):</b> Develop a model to describe the movement of	<b>Disciplinary Core Ideas</b> LS2.A: Interdependent Relationships in Ecosystems	LIVING SYSTEMS Investigation 1, Parts 1 and 2
matter among plants, animals, decomposers, and the environment.	Science and Engineering Practices Developing and Using Models	Investigation 3, Parts 1-3 Investigation 4, Part 1
	Crosscutting Concepts System and System Models	
<b>5-ESS-1.1 (Essential):</b> Support an argument that differences in the	Disciplinary Core Ideas ESS1.A: The Universe and Its Stars	EARTH AND SUN Investigation 4, Parts 2 and 3
apparent brightness of the Sun compared to other stars is due to their relative distances from the	Science and Engineering Practices Engaging in Argument from Evidence	
Earth.	Crosscutting Concepts Scale, Proportion, and Quantity	







#### Detail Correlation for Idaho Content Standards - Science Grades K-5

**5-ESS-1.2 (Essential):** Represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night, and the seasonal appearance of some stars in the night sky.

#### **Disciplinary Core Ideas**

ESS1.B: Earth and the Solar System

#### **Science and Engineering Practices**

Analyzing and Interpreting Data

#### **Crosscutting Concepts**

**Patterns** 

#### **EARTH AND SUN**

Investigation 3, Parts 1 and 2 Investigation 4, Parts 2 and 3

\*This performance expectation integrates traditional science content with engineering through a practice or disciplinary core idea.

	Grade 5	
<b>5-ESS-2.1 (Essential):</b> Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact.	Disciplinary Core Ideas ESS2.A: Earth Materials and Systems Science and Engineering Practices Developing and Using Models Crosscutting Concepts System and System Models	EARTH AND SUN Investigation 1, Part 2 Investigation 2, Part 1  LIVING SYSTEMS Investigation 2, Part 1 Investigation 3, Parts 1-3 Investigation 4, Part 1
<b>5-ESS-2.2 (Essential):</b> Describe and graph the relative amounts of fresh and salt water in various reservoirs, to interpret and analyze the distribution of water on Earth.	Disciplinary Core Ideas ESS2.C: The Roles of Water in Earth's Surface Processes Science and Engineering Practices Using Mathematics and Computational Thinking Crosscutting Concepts Scale, Proportion, and Quantity	EARTH AND SUN Investigation 2, Part 1
<b>5-ESS-3.1 (Essential):</b> Obtain and combine information about ways communities protect the Earth's resources and environment using scientific ideas.	Disciplinary Core Ideas ESS3.C: Human Impacts on Earth Systems Science and Engineering Practices Obtaining, Evaluating, and Communicating Information Crosscutting Concepts Systems and System Models	Investigation 2, Part 2 Investigation 3, Part 3  EARTH AND SUN Investigation 2, Part 2  LIVING SYSTEMS Investigation 3, Parts 2 and 3 Investigation 4, Part 1
	Grade 5 Engineering Correlations	
<b>3-5-ETS1-2:</b> Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.	Disciplinary Core Ideas ETS1.B: Developing Possible Solutions  Science and Engineering Practices Constructing Explanations and Designing Solutions  Crosscutting Concepts Influence of Engineering, Technology, and Science on Society and the Natural World	MIXTURES AND SOLUTIONS Investigation 1, Part 3 Investigation 3, Part 3









## Detail Correlation for Idaho Content Standards - Science Grades K-5

## **Disciplinary Core Ideas Assessment Opportunities**

Grade 5		EARTH A	ND SUN		MIXT	URES AN	D SOLUT	TIONS	LIVING SYSTEMS			
DCI	INV. 1	INV. 2	INV. 3	INV. 4	INV. 1	INV. 2	INV. 3	INV. 4	INV. 1	INV. 2	INV. 3	INV. 4
PS1.A												
PS1.B												
PS2.B												
PS3.D												
LS1.C												
LS2.A												
LS2.B												
ESS1.A												
ESS1.B												
ESS2.A												
ESS2.C												
ESS3.C												
ETS1.A												
ETS1.B												
ETS1.C												



Detail Correlation for Idaho Content Standards - Science Grades K-5

## **Science and Engineering Practices Assessment Opportunities**

Grade 5		EARTH A	AND SUN		MIXT	URES AN	D SOLU	TIONS	LIVING SYSTEMS			
SEP	INV. 1	INV. 2	INV. 3	INV. 4	INV. 1	INV. 2	INV. 3	INV. 4	INV. 1	INV. 2	INV. 3	INV. 4
Asking Questions and Defining Problems												
Developing and Using Models												
Planning and Carrying Out Investigations												
Analyzing and Interpreting Data												
Using Mathematics and Computational Thinking												
Constructing Explanations and Designing Solutions												
Engaging in Argument from Evidence												
Obtaining, Evaluating, and Communicating Information												

Grade 5	EARTH AND SUN				MIXT	URES AN	D SOLU	TIONS	LIVING SYSTEMS			
ссс	INV. 1	INV. 2	INV. 3	INV. 4	INV. 1	INV. 2	INV. 3	INV. 4	INV. 1	INV. 2	INV. 3	INV. 4
Patterns												
Cause and Effect												
Scale, Proportion, and Quantity												
Systems and System Models												
Energy and Matter in Systems												
Structure and Function												
Stability and Change of Systems												