



# Idaho Alternate Assessment Science Blueprint

## Elementary School: Grade 5

### IDAA SCIENCE ITEM DISTRIBUTION ACROSS STRANDS: 40 ITEMS

Strand	Minimum Items	Maximum Items	% of Items Per Strand
Physical Science	14	17	28-34%
Life Science	10	13	20-26%
Earth and Space Science	11	14	22-28%

### PHYSICAL SCIENCE ITEMS ACROSS STANDARDS: 14 TO 17 ITEMS

#### Motion and Stability: Forces and Interactions Items Across Standards: 3 to 5 Items

Motion and Stability: Forces and Interactions Standards	Minimum Items	Maximum Items
PS1-3-1 : Forces-balanced and unbalanced forces	0	2
PS1-3-2 : Forces-pattern predicts future motion	0	2
PS1-3-3 : Forces-between objects not in contact	0	2
PS2-5-1 : Gravitational Force	0	2

#### Energy Items Across Standards: 5 to 7 Items

Energy Standards	Minimum Items	Maximum Items
PS1-4-1 : Energy-relationship between speed and energy of object	0	2
PS1-4-2 : Energy-transfer of energy	0	2
PS1-4-3 : Energy-changes in energy when objects collide	0	2
PS1-4-4 : Energy-converting energy from one form to another*	0	2
PS3-5-1 : Matter & Energy	0	2

#### Waves and Their Applications in Technologies for Information Transfer Items Across Standards: 3 to 5 Items

Waves and Their Applications in Technologies for Information Transfer Standards	Minimum Items	Maximum Items
PS2-4-1 : Waves-waves can cause objects to move	0	2
PS2-4-2 : Waves - reflection of light	0	2
PS2-4-3 : Waves-using patterns to transfer information	0	2

#### Matter and Its Interactions Items Across Standards: 3 to 5 Items

Matter and Its Interactions Standards	Minimum Items	Maximum Items
PS1-5-1 : Structure & Properties of Matter - matter exists when too small to be seen	0	2
PS1-5-2 : Structure & Properties of Matter - total weight of matter stays the same	0	2
PS1-5-3 : Structure & Properties of Matter - different substances have different properties	0	2



<b>Matter and Its Interactions Standards</b>	<b>Minimum Items</b>	<b>Maximum Items</b>
PS1-5-4 : Structure & Properties of Matter - mixing substances forms a new substance	0	2

## **LIFE SCIENCE ACROSS STANDARDS: 10 TO 13 ITEMS**

From Molecules to Organisms: Structure and Processes Items Across Standards: 3 to 5 Items

<b>From Molecules to Organisms: Structure and Processes Standards</b>	<b>Minimum Items</b>	<b>Maximum Items</b>
LS1-4-1 : Structure, Function, Information Processing - structures work together	0	2
LS1-4-2 : Structure, Function, Information Processing - process information through senses	0	2
LS1-5-1 : Structure and Processes - plant needs for growth	0	2

Ecosystems: Interactions, Energy, and Dynamic Items Across Standards: 2 to 4 Items

<b>Ecosystems: Interactions, Energy, and Dynamic Standards</b>	<b>Minimum Items</b>	<b>Maximum Items</b>
LS1-3-1 : Ecosystems: Interactions, Energy, and Dynamics - animals form groups to survive	0	2
LS2-4-1 : Ecosystems: Interactions, Energy, and Dynamics - matter flows among organisms	0	2

Heredity: Inheritance and Variation of Traits Items Across Standards: 2 to 4 Items

<b>Heredity: Inheritance and Variation of Traits Standards</b>	<b>Minimum Items</b>	<b>Maximum Items</b>
LS2-3-1 : Inheritance - traits similar to parents	0	2
LS2-3-2 : Inheritance - some traits result for environmental factors	0	2

Biological Evolution: Unity and Diversity Items Across Standards: 3 to 5 Items

<b>Biological Evolution: Unity and Diversity Standards</b>	<b>Minimum Items</b>	<b>Maximum Items</b>
LS2-5-1 : Ecosystems - fossil evidence of organisms and change in environments	0	2
LS2-5-2 : Diversity - variations in characteristics among individuals of the same species	0	2
LS2-5-3 : Ecosystems - organisms are suited for particular habitats	0	2
LS2-5-4: Ecosystems* - environmental changes impact organisms	0	2



## EARTH AND SPACE SCIENCE ITEM DISTRIBUTION: 11 TO 14 ITEMS

### Earth's Systems Items Across Standards: 5 to 7 Items

Earth's Systems Standards	Minimum Items	Maximum Items
ESS1-3-1 : Weather & Climate - seasons have typical weather conditions	0	2
ESS1-3-2 : Weather & Climate - different regions have different climates	0	2
ESS2-4-1 : Earth's Systems & Processes - weathering and erosion reshape landscape	0	2
ESS2-4-2 : Earth's Systems & Processes - maps describe patterns of Earth's features	0	2
ESS2-5-1 : Earth's Systems - Earth's systems interact in multiple ways	0	2
ESS2-5-2 : Earth's Systems - distribution of salt water and fresh water on Earth	0	2

### Earth and Human Activity Items Across Standards: 3 to 5 Items

Earth and Human Activity Standards	Minimum Items	Maximum Items
ESS2-3-1 : Weather & Climate* - reduce impact of weather-related hazards	0	2
ESS3-4-2 : Natural Hazards - reduce the impact of natural hazards	0	2
ESS3-4-1 : Energy - energy derived from natural resources	0	2
ESS3-5-1 : Earth's Systems - humans can protect Earth's resources and environment	0	2

### Earth's Place in the Universe Items Across Standards: 3 to 5 Items

Earth's Place in the Universe Standards	Minimum Items	Maximum Items
ESS1-4-1 : Earth's Systems & Processes -The History of Earth	0	2
ESS1-5-1 : The Universe and its Stars	0	2
ESS1-5-2 : Earth and the Solar System	0	2