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Elementary Science Interim Blueprint



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ASSESSMENT | ISAT SCIENCE

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INTRODUCTION

Science Interims are available in two different forms: Testlets and the Comprehensive Interim. Test items are phenomena-based, meaning students will think critically about a natural phenomenon or problem and develop a scientific explanation or engineering solution.

- Testlets contain multiple items relating to either a common Disciplinary Core Idea (DCI), a Science and Engineering Practice (SEP), or a set of grade-specific standards (Stand Alone Items).
- The Comprehensive Interim Assessment covers content spanning the three-dimensional standards from each grade level.

TESTLET INTERIMS

Elementary Interims by Disciplinary Core Idea (DCI)

Disciplinary Core Idea (DCI)	Interim Testlet Name
Earth and Space Science	Earth's Place in the Universe
Earth and Space Science	Water in Earth's Processes
Earth and Space Science	Weather and Climate
Earth and Space Science	Natural Resources
Earth and Space Science	Natural Hazards
Earth and Space Science	The History of Planet Earth
Earth and Space Science	Earth Materials and Systems
Life Science	Structure and Function
Life Science	Information Processing
Life Science	Interdependent Relationships in Ecosystems
Life Science	Inheritance of Traits
Life Science	Common Ancestry and Diversity
Life Science	Adaptation
Physical Science	Structure and Properties of Matter
Physical Science	Chemical Reactions
Physical Science	Forces and Motion
Physical Science	Types of Interactions
Physical Science	Energy Conservation and Transfer
Physical Science	Wave Properties
Physical Science	Electromagnetic Radiation
Physical Science	Information Technologies

Elementary Interims by Science and Engineering Practice (SEP)

- Elementary: Engaging in Argument from Evidence
- Elementary: Analyzing and Interpreting Data
- Elementary: Obtaining, Evaluating, and Communicating Information
- Elementary: Developing and Using Models
- Elementary: Constructing Explanations and Designing Solutions
- Elementary: Planning and Carrying Out Investigations
- Elementary: Asking Questions and Defining Problems
- Elementary: Using Mathematical and Computational Thinking

Grade Level Stand Alone Items

These Interims contain items relating to each grade’s standards and can be taken at any grade level.

- Grade 3 Stand Alone Items
- Grade 4 Stand Alone Items
- Grade 5 Stand Alone Items

COMPREHENSIVE INTERIM ASSESSMENT

The Science Comprehensive Interim Assessment covers the Idaho State Science standards for grades 3 through 5. The standards are three-dimensional and incorporate Disciplinary Core Ideas (DCIs), Science and Engineering Practices (SEPs), and Crosscutting Concepts. This assessment contains **clusters**, which are multiple items related to one phenomenon and address all three dimensions, and **stand-alone items**, which are single items related to a phenomenon and address one to two dimensions. This blueprint lays out how clusters and items are distributed in the assessment.

Operational Items by Domain

Domain	# of Clusters	# of Stand-Alone Items	Total Items
Earth and Space Science	1	2	3
Life Science	1	2	3
Physical Science	1	2	3
Total Interim Test Length	3	6	9