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# High School Science Interim Blueprint



IDAHO STATE DEPARTMENT OF EDUCATION  
ASSESSMENT | ISAT SCIENCE

650 W STATE STREET, 2ND FLOOR  
BOISE, IDAHO 83702  
208 332 6800 OFFICE / 711 TRS  
[WWW.SDE.IDAHO.GOV](http://WWW.SDE.IDAHO.GOV)

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Kristiana Pierce  
ISAT Science Coordinator

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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 Interims).
- The Comprehensive Interim Assessment covers content spanning the three-dimensional standards from each grade level.

## TESTLET INTERIMS

### High School Interims by Disciplinary Core Idea (DCI)

Domain	DCI Interim Testlet Name
Earth and Space Science	Universe and Stars
Earth and Space Science	Earth's Place in the Universe
Earth and Space Science	History of Planet Earth
Earth and Space Science	Earth's Materials and Systems
Earth and Space Science	Weather and Climate
Earth and Space Science	Biogeology
Earth and Space Science	Human Impact on Earth Systems
Life Science	Structure and Function
Life Science	Matter and Energy Flow
Life Science	Interdependent Relationships in Ecosystems
Life Science	Ecosystems Dynamics, Functioning and Resilience
Life Science	Common Ancestry and Diversity
Life Science	Natural Selection
Life Science	Variation of Traits
Physical Science	Chemical Reactions
Physical Science	Energy Conservation and Transfer
Physical Science	Energy and Forces
Physical Science	Wave Properties

### High School Interims by Science and Engineering Practice (SEP)

- High School: Engaging in Argument from Evidence
- High School: Constructing Explanations and Designing Solutions
- High School: Obtaining, Evaluating, and Communicating Information
- High School: Planning and Carrying Out Investigations
- High School: Developing and Using Models
- High School: Using Mathematics and Computational Thinking
- High School: Analyzing and Interpreting Data

## Stand Alone Interims

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

- High School Earth and Space Science Stand Alone Items
- High School Life Science Stand Alone Items
- High School Physical Science Stand Alone Items

## COMPREHENSIVE INTERIM ASSESSMENT

The Science Comprehensive Interim Assessment covers the Idaho State Science standards for grades 9 through 11. 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	3	4
Total Interim Test Length	3	7	10