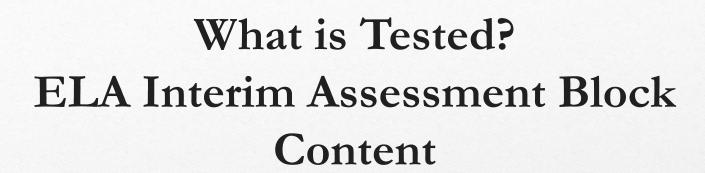
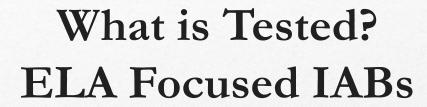




- Assess specific concepts directly related to each grade level.
- Assessment Blueprints provide details about the standards, claims, assessment targets, and Depth of Knowledge addressed in the block.
  - Interim Assessment Math and ELA Block Blueprints
  - Focused Interim Blocks Math and ELA Blueprints
- Generally, can be completed in one class period.



- Read Literary Text
- Read Informational Text
- Brief Writes
- Revision
- Research
- Performance Task



- Language and Vocabulary Use
- Editing
- Research: Interpret and Integrate
- Listen/Interpret
- Research: Analyze Information
- Write and Revise Narratives



### Grades 3-5

- Research: Use Evidence (FIAB)
- Write and Revise Informational Texts (FIAB)
- Write and Revise Opinion Texts (FIAB)

- Research: Use Evidence (FIAB)
- Write and Revise Explanatory Texts (FIAB)



### Grade 7

- Research: Use Evidence (FIAB)
- Write and Revise Explanatory Texts (FIAB)
- Write and Revise Argumentative Texts (FIAB)

- Editing (FIAB)
- Language and Vocabulary Use (FIAB)
- Research: Use Evidence (FIAB)
- Write and Revise Explanatory Texts (FIAB)



### New ELA Blocks 2021-22

- High School
  - Research: Use Evidence (FIAB)
  - Write and Revise Argumentative Texts (FIAB)

All information is available in the <u>Interim</u> <u>Assessments Overview</u>.



- Each PT includes a stimulus and 6 questions
- The first two items are independent and discrete (not needed to answer later questions and not dependent upon each other)
  - Provide an entry into the task (low to medium difficulty)
  - May address underlying mathematical information necessary to complete the task
  - May be part of the overall storyline of the PT or are designed to measure student's mathematical understanding of some aspect of the stimulus
  - Must be machine scored items for Grades 3-8
- The rest of the items may be machine or hand scored and may have some dependencies

## What is Tested? Math Interim Assessment Block Content Grades 3-5

	GRADE 3	GRADE 4	GRADE 5
INTERIM BLOCK	<ul> <li>Operations and Algebraic Thinking</li> <li>Measurement and Data</li> <li>Performance Task</li> </ul>	<ul> <li>Operations and Algebraic Thinking</li> <li>Number and Operations—Fractions</li> <li>Measurement and Data</li> <li>Number and Operations in Base Ten</li> <li>Performance Task</li> </ul>	<ul> <li>Operations and Algebraic Thinking</li> <li>Number and Operations— Fractions</li> <li>Measurement and Data</li> <li>Number and Operations in Base Ten</li> <li>Performance Task</li> </ul>
FOCUSED BLOCK	<ul><li>Interpret, Represent, and Solve</li><li>Properties of Multiplication and</li><li>Division</li></ul>	<ul><li>Fraction Equivalence and Ordering</li><li>Fractions and Decimal Notation</li></ul>	<ul> <li>Numerical Expressions</li> <li>Operations with Whole Numbers and Decimals</li> <li>Add and Subtract with Equivalent Fractions</li> <li>Geometry</li> </ul>

# What is Tested? Math Interim Assessment Block Content Grades 6-8

	GRADE 6	GRADE 7	GRADE 8
INTERIM BLOCK	<ul> <li>The Number System</li> <li>Expressions and Equations</li> <li>Performance Task</li> </ul>	<ul><li>Expressions and Equations</li><li>Geometry</li><li>Performance Task</li></ul>	<ul> <li>Expressions and Equations I</li> <li>Geometry</li> <li>Performance Task</li> </ul>
FOCUSED BLOCK	<ul> <li>Ratios and Proportional Relationships</li> <li>Divide Fractions by Fractions</li> <li>One-Variable Expressions and Equations</li> <li>Dependent and Independent Variables</li> <li>Geometry</li> <li>Statistics and Probability</li> </ul>	<ul> <li>Ratios and Proportional Relationships</li> <li>The Number System</li> <li>Equivalent Expressions</li> <li>Algebraic Expressions and Equations</li> <li>Geometric Figures</li> <li>Statistics and Probability</li> </ul>	Relationships, Lines and Linear Equations

# What is Tested? Math Interim Assessment Block Content Grades High School

	High School
INTERIM BLOCK	<ul> <li>Algebra and Functions I – Linear Functions, Equations, and Inequalities</li> <li>Algebra and Functions II – Quadratic Functions, Equations, and Inequalities</li> <li>Geometry Congruence</li> <li>Geometry Measurement and Modeling</li> <li>Performance Task</li> </ul>
FOCUSED BLOCK	<ul> <li>Number and Quantity</li> <li>Seeing Structure in Expressions/Polynomial Expressions</li> <li>Equations and Reasoning</li> <li>Solve Equations and Inequalities: Linear and Exponential</li> <li>Solve Equations and Inequalities: Quadratic</li> <li>Interpreting Functions</li> <li>Geometric and Right Triangle Trigonometry</li> <li>Statistics and Probability</li> </ul>

### New Math Blocks 2021-22

### Grade 3

- Four Operations: Interpret, Represent, and Solve (FIAB)
- Linear and Area Measurement (FIAB)
- Time, Volume, and Mass (FIAB)

- Build Fractions from Unit Fractions (FIAB)
- Factors and Multiples (FIAB)
- Generate and Analyze Patterns (FIAB)
- Multi-digit Arithmetic: Place Value and Operations (FIAB)
- Place Value and Multi-digit Whole Numbers (FIAB)



### Grade 5

- Convert Measurements (FIAB)
- Place Value System (FIAB)
- Volume Concepts (FIAB)

- Algebraic Expressions (FIAB)
- Multi-digit Numbers, Factors, and Multiples (FIAB)
- Rational Number System II (FIAB)

### New Math Blocks 2021-22

### Grade 7

Angles, Areas, and Volume (FIAB)

### Grade 8

Volume of Cylinders, Cones, and Spheres (FIAB)

### High School

- Create Equations: Linear and Exponential (FIAB)
- Create Equations: Quadratic (FIAB)



• Items available at all three grade bands

Grade Band	Number of Items
3-5	14
6-8	20
9-12	20

- Each NGSS interim consists of a single item cluster aligned to one performance expectation
- List of NGSS interims is available in the NGSS Interim Assessments Quick Guide.



## What is Tested? NGSS Interim Assessments Grades 3-5

### Elementary School (Grades 3-5)

Interim Assessment	Performance Expectations Assessed	
Forces, Motion and Energy	3-PS2-2	4-PS3-4
Matter and Its Interactions	5-PS1-2	5-PS1-4
Waves and Their Applications	4-PS4-1	4-PS4-3
Biological Evolution and Ecosystems	3-LS4-1	5-LS2-1
Inheritance, Structure and Function	3-LS3-1	4-PS4-2
Earth's Systems and Gravitational Forces	5-ESS2-2	5-PS2-1
Earth's Systems	3-ESS2-1	4-ESS2-1



## What is Tested? NGSS Interim Assessments Grades 6-8

#### Middle School (Grades 6-8)

Interim Assessment	Performance Expectations Assessed	
Forces, Interactions and Energy	MS-PS2-2	MS-PS3-3
Matter and Its Interactions	MS-PS1-4	MS-PS1-5
Waves and Their Applications	MS-PS4-1	MS-PS4-2
Matter and Energy in Ecosystems	MS-LS1-7	MS-LS2-2
Structures and Processes in Living	MS-LS1-3	MS-LS1-8
Organisms		
Inheritance and Variation of Traits	MS-LS3-1	MS-LS3-2
Biological Evolution through Natural	MS-LS4-4	MS-LS4-6
Selection		
Earth's Earth and the Solar System	MS-ESS1-1	MS-ESS1-2
Earth's History and Systems	MS-ESS1-4	MS-ESS2-1
Weather and Human Impact on the	MS-ESS2-5	MS-ESS3-3
Environment		



## What is Tested? NGSS Interim Assessments Grades 9-12

### High School (Grades 9-12)

Interim Assessment	Performance Expectations Assessed	
Matter and Its Interactions	HS-PS1-1	HS-PS1-2
Forces and Interactions	HS-PS2-2	HS-PS2-5
Energy and Waves	HS-PS3-1	HS-PS4-1
Structures and Processes in Living	HS-LS1-2	HS-LS1-3
Organisms		
Matter, Energy and Interdependent	HS-LS1-5	HS-LS2-2
Relationships in Ecosystems		
Inheritance of Traits and Evolution	HS-LS3-2	HS-LS4-1
Space Systems	HS-ESS1-3	HS-ESS1-4
Earth's History and Systems	HS-ESS1-6	HS-ESS2-3
Changes in Earth's Climate	HS-ESS2-4	HS-ESS3-5
Human Sustainability	HS-ESS3-3	HS-ESS3-4













On the Mediterranean coast in 2017, Port A had over 20 times the amount of pollutants in the water Phenomena than Port B.

with background for fishing and water sports.

Port A is a medium-sized harbor where many large ships pass through. Port B is a small harbor used

information Figure 1 shows Port A and Port B on the and data Mediterranean coast.

provided to students.

Figure 1. Mediterranean **Coast Cities** 

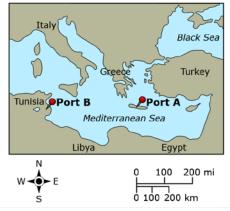


Table 1 shows the amount of pollutants in the water, measured in nanograms per gram (ng/g).

Table 1. Pollutants in Water

Port City	Pollutants (ng/g)
Port A	1615
Port B	77

Periodic Table Calculator Line Reader Zoom Out Zoom In Part A Select two conclusions that can be made about Port A and Port B based on the Ports with fewer bottom dwellers have healthier marine habitats.

- ☐ A port with more consumption of fish results in fewer species of bottom dwellers
- ☐ The size of the port has a greater impact on biodiversity than the use of ship
- A port with higher heavy metal concentrations shows more signs of a disturbed
- ☐ The effects of ship painting on the amount of pollutants in the water can be found in both ports.

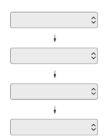
#### Part B

Select two pieces of evidence that support the claims in part A.

- · Click on the first pencil icon.
- . Then, click on a highlighted section from the passage with the pencil to make your first selection. Click on the second pencil icon to make a
- . To change a selection, click on the circular arrow that follows the selection you would like to change.

#### Part C

Click on each blank box and select the statement that matches each step of the incomplete model in Figure 2.



Available tools

Variety of item interactions for students to respond to.



### NGSS Interim Assessment Item Interaction Types

- ➤ Multiple-Choice
- ➤ Multi-Select
- Table Match
- ➤ Edit In-line Choice
- ➤ Hot Text

- > Equation Editor
- ➤ Grid Interaction
- Graphing
- > Simulations



### Current plans for 2021-2022 school year include:

- Additional items will be added, including standalone items.
- Enhanced reporting results provided in terms of performance standards.
- Inclusion of TUVA data analysis tools (go to <a href="https://tuvalabs.com/">https://tuvalabs.com/</a> to see examples).



### CSDE Interim Web Page:

https://portal.ct.gov/SDE/Student-Assessment/Smarter-Balanced/Smarter-Balanced-Interim-Assessments

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