Vermont Alternate Assessment Portfolio (VTAAP)

Student Performance Scoring Guide

Science Content Knowledge Domains

2016-2017

VERMONT
AGENCY OF EDUCATION

Integrated Support for Learning 802-479-1309

Instructions for Scoring
Science Content Knowledge Domains

Orientation

For each assessment target in the student science portfolio, you will refer to the following documents:

- *VTAAP Science GE Entry Points*
- *VTAAP Student Performance Scoring Guidelines- Science*
- Baseline Record- VTAAP Form 3
- Baseline Product
- Endline Record- VTAAP Form 5
- Endline Product

Find the designated GE Entry Point in the *VTAAP Science GE Entry Points* document (Grade span, Domain, GE, and entry point level-A, B, or C). Read all the information provided for the entry point including the stem, targetbehaviors, and criteria.

Scoring

You will use the *VTAAP Student Performance Scoring Guideline - Science* document to assign ratings to each of the four scoring elements (Behavior Alignment, Application Alignment; Quantity, and Accuracy).

Alignment Score

In this section, you are focusing on whether the knowledge and skills demanded by the assessment task are aligned to those specified in the designated entry point and represent appropriate challenge for the student.

Targets Behaviors

Find the specified entry point in the *VTAAP Student Performance Scoring Guidelines-Science* and read each of the bulleted target behaviors. Some entry points will have several behaviors and some may have only one. Pay careful attention to both the verbs and the content for each of the listed behaviors.

Orient to the student Product by reading the Baseline and Endline Record forms, examining all of the evidence (worksheets, pictures, video, etc.,) connected to the entry point task(s), and any other annotation.

Determine which required behaviors are clearly evident in the Product and assign the appropriate score. Remember that you are only concerned with whether the expected behaviors are included in the task demands and *not* whether the student has actually accomplished them. All target behaviors are individually weighted (value = 0-4). Regardless of the number of target behaviors and the specific values listed, the Product is awarded a '4' if all of the behaviors are present. Conversely, a Product is awarded a '0' and disqualified from scoring if none of the specified target behaviors are present.

Applications

Using the *VTAAP Student Performance Scoring Guidelines- Science* document, find the specified entry point and read each of the two bulleted application descriptions. Referring to the Baseline and Endline Record forms and student Product evidence, determine whether there is clear evidence of the expected Product format (e.g., text or graphics with text, or objects) for the specified entry point level. Award this application if there is a match between the student's designated level of communication and the presentation of the assessment task.

Again, referring to the same evidence, determine whether the student Product represents a high quality assessment opportunity that exposes the student to accessible, engaging, meaningful, and age-appropriate activities and materials. Products awarded a point in this category necessarily "go beyond the basic" and reflect a rich opportunity to demonstrate a deep understanding of the target concept(s).

Next, consider whether the assessment task has clearly been worked down from the grade- level classroom curriculum (GLGEC). Links to the specific topic, activities, and/or materials must be explicitly articulated for a point to be awarded.

Score a 2 for application score if both applications are clearly present; a 1 if either is present; and a 0 if none is evident. A zero in this section will *not* disqualify the strand.

Accuracy Score

In this section you will rate how well the student performed on the assessment task that was presented.

Quantity

There must be a sufficient number of *aligned* opportunities for the student to respond to generate a valid accuracy score. Referring to the student Product, determine the total number of *independent opportunities* to respond that are aligned to *any* of the listed target behaviors. This includes opportunities for which there was no student response and those to which the student responded incorrectly. In most instances, this will represent a variety of different items; however, in some instances (particularly at the 'C' level) it may represent multiple opportunities to demonstrate the same skill on different occasions. Opportunities that are inappropriately scaffolded or not aligned are *not* factored in the quantity score. Quantity scores that do not meet minimum expectations are scored a 0 and disqualify the student Product from further scoring.

Accuracy

Check the marking of each aligned response to determine if it has been correctly scored. Accuracy is calculated as the percent of correct responses divided by the total opportunities to respond x 100. Assign the appropriate rating. Please note that a '1' rating does credit student learning under 50% but must constitute a gain of at least 25% over baseline.

Science	Grades 3-4	Physical science	GE: PK-4: 9	Level A
Entry Point: *Student demonstrates understanding that various objects and materials have different properties by describing the physical properties of materials.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Describes the physical property(ies) of a material
2	2. Describes the physical properties for a variety of different materials
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Physical science	GE: PK-4: 9	Level B
Entry Point: *Student demonstrates understanding that various objects and materials have different properties by classifying materials based on physical properties.*				

Alignment Score

Value (0-4)	Target Behaviors
3	1. Classifies (sorts into groups) materials according to physical property(ies)
1	2. Labels (pictures with symbols or text) groups by physical property(ies)
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

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Science	Grades 3-4	Physical science	GE: PK-4: 9	Level C
Entry Point: *Student demonstrates understanding that various objects and materials have different properties by matching materials to similar materials with the same property.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Matches a material to a similar material with the same property(ies)
2	2. Matches materials to similar materials with a variety of different properties
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (4-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-3)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

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Science	Grades 3-4	Physical science	GE: 1-4: 12	Level A
Entry Point: *Student demonstrates understanding that materials exist in different states (e.g,. solids and liquids) by describing properties of solid and liquid states of matter.*				

Alignment Score

Value (0-4)	Target Behaviors
1	1. Describes solid as keeping its shape
1	2. Provides examples of a variety of different solids
1	3. Describes liquid as taking shape of container
1	4. Provides examples of a variety of different liquids
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
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Value (0-4)	**Accuracy**
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3	▸ Accuracy 75% - 89%
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0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Physical science	GE: 1-4: 12	Level B
Entry Point: *Student demonstrates understanding that materials exist in different states (e.g., solids and liquids) by classifying materials based on states of matter (solids/liquids).*				

Alignment Score

Value (0-4)	Target Behaviors
3	1. Classifies (sorts into groups) solid(s) and liquid(s)
1	2. Labels (pictures with symbols or text) groups as solid and liquid
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
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0	▸ Accuracy below 50% AND less than 25% increase from baseline

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Science	Grades 3-4	Physical science	GE: 1-4: 12	Level C
Entry Point: *Student demonstrates understanding that materials exist in different states (e.g., solids and liquids) by matching materials in the same state of matter.*				

Alignment Score

Value (0-4)	Target Behaviors
1	1. Indicates a liquid belongs in group of liquids
1	2. Indicates a solid belongs in group of solids
1	3. Indicates that a variety of different liquids belong in a group of liquids
1	4. Indicates that a variety of different solids belong in a group of solids
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (4-5)
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Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Physical science	GE: 1-4: 14	Level A
Entry Point: *Student demonstrates understanding that liquids and solids are altered when heat is applies by describing changes in states of matter when heat is applied to liquids and solids.*				

Alignment Score

Value (0-4)	Target Behaviors
1	1. Describes or demonstrates (with text) the change in the state of matter in a solid (ice) when heat is applied
1	2. Describes or demonstrates (with text) the change in the state of matter in liquid (water) when heat is applied
1	3. Describes or demonstrates (with text) the change in the state of matter when heat is applied for a variety of different solids
1	4. Describes or demonstrates (with text) the change in the state of matter when heat is applied for a variety of different liquids
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
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3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
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0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Physical science	GE: 1-4: 14	Level B
Entry Point: *Student demonstrates understanding that liquids and solids are altered when heat is applies by sorting objects into groups according to the states of matter at room temperature.*				

Alignment Score

Value (0-4)	Target Behaviors
3	1. Sorts or groups materials into solids and liquids at room temperature
1	2. Labels (pictures with symbols or text) groups as solids and liquids
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
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3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
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0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Physical science	GE: 1-4: 14	Level C
Entry Point: *Student demonstrates understanding that liquids and solids are altered when heat is applied by indicating a difference between warm and cold objects of the same material.*				

Alignment Score

Value (0-4)	Target Behaviors
1	1. Matches cold object with cold object
1	2. Matches a variety of different cold objects
1	3. Matches warm/hot object with warm/hot object
1	4. Matches a variety of different warm/hot objects
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (4-5)
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3	▸ Accuracy 75% - 89%
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0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Physical science	GE: 1-4: 21	Level A
Entry Point: *Student demonstrates understanding that different amounts of force (push/pull) will change direction of objects by describing that objects move differently as a result of different amounts of force.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Describes the result when a force is applied to object(s)
1.33	2. Applies forces of different strengths to object(s)
1.33	3. Applies a variety of different types of forces to object(s)
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Physical science	GE: 1-4: 21	Level B
Entry Point: *Student demonstrates understanding that different amounts of force (push/pull) will change direction of objects by comparing the change in position as a result of applying force to an object.*				

Alignment Score

Value (04)	Target Behaviors
1	1. Applies forces of different strengths to the same object
1	2. Indicates the change in position when forces of different strength are applied to an object
1	3. Applies force to different objects
1	4. Connects strength of force (weak, medium, strong) to final resting position of object
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
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Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Physical science	GE: 1-4: 21	Level C
Entry Point: *Student demonstrates understanding that different amounts of force (push/pull) will change direction of objects by applying necessary forces to everyday experiences/objects to effect change in position.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Applies/signals application of intentional force to object/person to effect a specific purpose
2	2. Applies/signals a variety of different applications of intentional force to object/person to effect a specific purpose
0	
0	
0*	▸ No Behaviors Awarded

Value (0-2)	Applications
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (3-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-2)

Value (0-4)	Accuracy
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Physical science	GE: 3-4: 24	Level A
Entry Point: *Student demonstrates understanding that electricity can produce heat, light, and sound by creating circuits that produce light heat, sound, and/or motion.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Constructs an electrical circuit
1.33	2. Labels (text) components of an electrical circuit
1.33	3. Produces a variety of different outcomes (light, heat, sound, and/or motion) from an electrical circuit
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Physical science	GE: 3-4: 24	Level B
Entry Point: *Student demonstrates understanding that electricity can produce heat, light, and sound by using a given circuit to identify and classify materials as conductors or insulators.*				

Alignment Score

Value (0-4)	Target Behaviors
3	1. Sorts conductors from non-conductors (insulators)
1	2. Labels (pictures with symbols or text) groups as conductors and non-conductors (insulators)
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
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Value (0-4)	**Accuracy**
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3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Physical science	GE: 3-4: 24	Level C
Entry Point: *Student demonstrates understanding that electricity can produce heat, light, and sound by completing a given circuit to produce light, heat motion, or sound.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Completes a given electrical circuit to produce light, heat, motion, or sound
2	2. Completes a given electrical circuit to produce a variety of different outcomes
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
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0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Physical science	GE: PK-4: 25	Level A
Entry Point: *Student demonstrates understanding that magnets attract and repel certain materials by demonstrating when magnets attract or repel one another.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Illustrates (with text) that magnets have North and South poles
2	2. Uses a variety of different magnets to demonstrate repulsion and attraction of polarities
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
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Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Physical science	GE: PK-4: 25	Level B
Entry Point: *Student demonstrates understanding that magnets attract and repel certain materials by classifying objects which are and are not attracted to magnets.*				

Alignment Score

Value (0-4)	Target Behaviors
3	1. Classifies (sorts into groups) magnetic and non-magnetic objects
1	2. Labels (pictures with symbols or text) groups as magnetic and non-magnetic
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Physical science	GE: PK-4: 25	Level C
Entry Point: *Student demonstrates understanding that magnets attract and repel certain materials by identifying items that are attracted to magnets.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Tests a material to determine if it is magnetic or non-magnetic
2	2. Tests a variety of different materials to select magnetic items from group of magnetic and non-magnetic items
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (4-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-3)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Life science	GE: 1-4: 31	Level A
Entry Point: *Student demonstrates understanding that plants and animals have life cycles by sequencing and connecting stages of a life cycle.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Describes or illustrates with labels (text) a 4-stage life cycle of an animal
1.33	2. Describes or illustrates with labels (text) a 4-stage life cycle of a plant
1.33	3. Sequences and shows connections (arrows) between stages of a life cycle
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥14)
1	▸ Partially meets expectations for clearly aligned responses (8-13)
0*	▸ Below minimum expectations for clearly aligned responses (0-7)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Life science	GE: 1-4: 31	Level B
Entry Point: *Student demonstrates understanding that plants and animals have life cycles by diagramming the life cycle of a plant and an animal.*				

Alignment Score

Value (0-4)	Target Behaviors
1	1. Illustrates 3 or more stages in the life cycle of a plant
1	2. Illustrates 3 or more stages in the life cycle of an animal
1	3. Labels (pictures with symbols or text) the stages of the life cycle
1	4. Shows connections between stages in life cycle(s)
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥12)
1	▸ Partially meets expectations for clearly aligned responses (8-11)
0*	▸ Below minimum expectations for clearly aligned responses (0-7)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Life science	GE: 1-4: 31	Level C
Entry Point: *Student demonstrates understanding that plants and animals have life cycles by matching stages in a life cycle.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Matches each stage of a 3-stage life cycle
2	2. Matches each stage of a 3-stage life cycle for a variety of different life cycles
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (3-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-2)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Life science	GE: PK-4: 34	Level A
Entry Point: *Student demonstrates understanding that animals and plants need air, water, food, and space to live by describing how living things meet their basic survival needs.*				

Alignment Score

Value (0-4)	Target Behaviors
1	1. Describes or demonstrates (with text) how an animal meets its basic survival needs (water, food, and space/shelter)
1	2. Describes or demonstrates (with text) how a variety of different animals meet their basic survival needs (water, food, and space/shelter)
1	3. Describes or demonstrates (with text) how a plant meets its basic survival needs (water, food, and space)
1	4. Describes or demonstrates (with text) how a variety of plants meet their basic survival needs (water, food, and space)
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥12)
1	▸ Partially meets expectations for clearly aligned responses (6-11)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Life science	GE: PK-4: 34	Level B
Entry Point: *Student demonstrates understanding that animals and plants need air, water, food, and space to live by identifying the basic survival needs of a plant and an animal.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Connects an animal to its basic survival needs (water, food, space/shelter)
1.33	2. Connects a variety of different animals to their basic survival needs (water, food, space/shelter)
1.33	3. Connects plant(s) to basic survival needs (water, food, and space)
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥9)
1	▸ Partially meets expectations for clearly aligned responses (6-8)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Life science	GE: PK-4: 34	Level C
Entry Point: *Student demonstrates understanding that animals and plants need air, water, food, and space to live by matching a plant or animal to its basic survival needs.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Connects an animal to its basic survival needs (water, food, space/shelter)
2	2. Connects a plant to its basic survival needs (water, food, space)
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (4-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-3)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Life science	GE: 1-4: 35	Level A
Entry Point: *Student demonstrates understanding that animals depend on plants for food in a food chain by describing how food for animals can be traced back to plants.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Describes or demonstrates (with text) how food for animals can be traced back to plants
2	2. Describes or demonstrates (with text) how food for a variety of different animals can be traced back to plants
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Life science	GE: 1-4: 35	Level B
Entry Point: *Student demonstrates understanding that animals depend on plants for food in a food chain by sequencing the components of a food chain.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Sequences a food chain from animal to plant
2	2. Sequences food chains from animal to plant for a variety of different animals
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥9)
1	▸ Partially meets expectations for clearly aligned responses (6-8)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Life science	GE: 1-4: 35	Level C
Entry Point: *Student demonstrates understanding that animals depend on plants for food in a food chain by recognizing connections in a simple food chain.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Identifies the components of a common food chain
2	2. Identifies the components of a variety of different common food chains
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (3-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-2)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Life science	GE: PK-4: 41	Level A
Entry Point: *Student demonstrates understanding that the human body has different structures to help us survive by identifying body parts, both internal and external, and functions needed for survival.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Names and locates external body part(s)
1.33	2. Names and locates internal body part(s)
1.33	3. Describes how specific body parts contribute to survival needs
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Life science	GE: PK-4: 41	Level B
Entry Point: *Student demonstrates understanding that the human body has different structures to help us survive by identifying external body parts and functions needed for survival.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Identifies external body part
1.33	2. Identifies a variety of different external body parts
1.33	3. Connects a variety of different external body parts to survival need
0	
0*	▸ No Behaviors Awarded

Value (0-2)	Applications
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)

Value (0-4)	Accuracy
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Life science	GE: PK-4: 41	Level C
Entry Point: *Student demonstrates understanding that the human body has different structures to help us survive by indicating specific body parts associated with specific tasks or functions in response to contextual or other cues.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Intentionally responds with appropriate body part to a situational demand
2	2. Intentionally responds with appropriate body part to a situational demand for a variety of different circumstances
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (3-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-2)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Earth & Space science	GE: PK-4: 44	Level A
Entry Point: *Student demonstrates understanding that natural objects exist in the day and night sky by identifying and describing celestial objects in the day and night sky.*				

Alignment Score

Value (0-4)	Target Behaviors
1	1. Identifies/names celestial objects in the day sky
1	2. Describes celestial objects as they appear in the day sky
1	3. Identifies/names celestial objects in the night sky
1	4. Describes celestial objects as they appear in the night sky
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Earth & Space science	GE: PK-4: 44	Level B
Entry Point: *Student demonstrates understanding that natural objects exist in the day and night sky by labeling objects in the day and night sky.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Uses pictures/photos (with text) to identify the sun, moon, and stars
2	2. Places images of the sun, moon, and stars in the appropriate context of day and night
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (4-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Earth & Space science	GE: PK-4: 44	Level C
Entry Point: *Student demonstrates understanding that natural objects exist in the day and night sky by indicating natural objects in the sky.*				

Alignment Score

Value (0-4)	Target Behaviors
1	1. Indicates that sun is in the day sky
1	2. Indicates the position of the sun across a variety of different times/days
1	3. Indicates that the moon is in the night sky
1	4. Indicates that the moon has a variety of different shapes
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (3-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-2)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Earth & Space science	GE: PK-4: 46	Level A
Entry Point: *Student demonstrates understanding that earth materials have distinct and identifiable properties by describing and comparing properties of rocks or materials.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Describes property(ies) of a rock or material
2	2. Classifies (sorts into labeled groups) different rocks or materials by a variety of different properties
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Earth & Space science	GE: PK-4: 46	Level B
Entry Point: *Student demonstrates understanding that earth materials have distinct and identifiable properties by identifying characteristics of earth materials.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Identifies characteristic(s) of an earth material
2	2. Identifies at multiple characteristics for a variety of different earth materials
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥9)
1	▸ Partially meets expectations for clearly aligned responses (6-8)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Earth & Space science	GE: PK-4: 46	Level C
Entry Point: *Student demonstrates understanding that earth materials have distinct and identifiable properties by matching earth materials with the same characteristics.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Matches earth material to similar earth material with the same characteristic(s)
2	2. Matches earth materials to similar earth materials with the same characteristic(s) for a variety of different materials
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (4-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-3)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Earth & Space science	GE: 1-4: 47	Level A
Entry Point: *Student demonstrates understanding that different landforms on earth change over time by describing changes in common landforms/earth materials.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Describes and/or documents (with text) changes (before and after) in a common landform
2	2. Describes and/or documents (with text) changes (before and after) in common landforms for a variety of different landforms
0	
0	
0*	▸ No Behaviors Awarded

Value (0-2)	Applications
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)

Value (0-4)	Accuracy
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Earth & Space science	GE: 1-4: 47	Level B
Entry Point: *Student demonstrates understanding that different landforms on earth change over time by identifying features of local landforms.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Identifies distinctive feature(s) of a landform
2	2. Identifies distinctive feature(s) of landforms for a variety of different landforms
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (6-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Earth & Space science	GE: 1-4: 47	Level C
Entry Point: *Student demonstrates understanding that different landforms on earth change over time by using a motor response to effect change in model of a landform.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Matches earth material to the related landform
2	2. Matches earth materials to related landforms for a variety of different landforms in different locations
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (4-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-3)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Earth & Space science	GE: PK-4: 48	Level A
Entry Point: *Student demonstrates understanding that weather changes through the year by identifying patterns and trends in the weather by analyzing recorded data.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Records weather data
1.33	2. Documents a variety of weather conditions over different seasons
1.33	3. Compares/analyzes recorded weather data to identify patterns and trends
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥12)
1	▸ Partially meets expectations for clearly aligned responses (6-11)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Earth & Space science	GE: SPK-4: 48	Level B
Entry Point: *Student demonstrates understanding that weather changes through the year by identifying how humans change their behavior in response to seasonal weather changes.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Identifies change(s) in human behavior in response to change in weather
2	2. Identifies changes in human behavior in response to a variety of weather conditions across different seasons
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (6-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Earth & Space science	GE: PK-4: 48	Level C
Entry Point: *Student demonstrates understanding that weather changes through the year by indicating appropriate items for wearing/using in different types of weather.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Indicates appropriate item(s) for wear/use in response to a specific weather condition
2	2. Indicates appropriate item(s) for wear/use in response to a variety of seasonal weather conditions
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (4-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-3)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Earth & Space science	GE: PK-4: 49	Level A
Entry Point: *Student demonstrates understanding that humans depend on natural resources for many uses by identifying the natural sources of the materials that humans depend on.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Identifies natural source(s) and use(s) of a material that humans regularly use
2	2. Identifies natural sources and uses for a variety of different materials that humans regularly use
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Earth & Space science	GE: PK-4: 49	Level B
Entry Point: *Student demonstrates understanding that humans depend on natural resources for many uses by connecting the materials that humans use to their natural sources.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Links material/product that humans use to natural source(s)
2	2. Links materials/products that humans use to their natural source(s) for a variety of different materials
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 3-4	Earth & Space science	GE: PK-4: 49	Level C
Entry Point: *Student demonstrates understanding that humans depend on natural resources for many uses by identifying how humans use natural resources.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Connects natural resource to everyday human use(s)
2	2. Connects natural resources to everyday human uses for a variety of different natural resources
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (4-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-3)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Physical science	GE: 5-8: 9	Level A
Entry Point: *Student demonstrates understanding that various objects and materials have different properties by determining the density of a variety of solids and liquids.*				

Alignment Score

Value (0-4)	Target Behaviors
1	1. Measures and calculates density (D=m/V) for a liquid
1	2. Measures and calculates density (D=m/V) for a solid
1	3. Measures and calculates density (D=m/V) for a variety of different solids
1	4. Measures and calculates density (D=m/V) for a variety of different liquids
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥15)
1	▸ Partially meets expectations for clearly aligned responses (6-14)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Physical science	GE: 5-8: 9	Level B
Entry Point: *Student demonstrates understanding that various objects and materials have different properties by comparing the relative densities of different materials.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Observes and records the behavior in water of different objects with the same volume
2	2. Orders different objects with the same volume according to relative density
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Physical science	GE: 5-8: 9	Level C
Entry Point: *Student demonstrates understanding that various objects and materials have different properties by indicating objects that have the same properties.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Matches different objects that share the same property
2	2. Matches different objects that share the same property for a variety of different properties
0*	▸ No Behaviors Awarded

Value (0-2)	Applications
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (4-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-3)

Value (0-4)	Accuracy
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Physical science	GE: 5-8: 12	Level A
Entry Point: *Student demonstrates understanding that solids, liquids, and gases have unique properties by describing how the motion of molecules defines solids, liquids, and gases.*				

Alignment Score

Value (0-4)	Target Behaviors
1	1. Describes or illustrates with labels (text) the molecular motion of a solid
1	2. Describes or illustrates with labels (text) the molecular motion of a liquid
1	3. Describes or illustrates with labels (text) the molecular motion of a gas
1	4. Provides a variety of different examples of solids, liquids and gases
0*	▸ No Applications Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Physical science	GE: 5-8: 12	Level B
Entry Point: *Student demonstrates understanding that solids, liquids, and gases have unique properties by connecting the properties of solids, liquids, and gases with actual examples.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Matches a model of the molecular motion of solids to a variety of different examples of solids
1.33	2. Matches a model of the molecular motion of liquids to a variety of different examples of liquids
1.33	3. Matches a model of the molecular motion of gases to a variety of different examples of gases
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥9)
1	▸ Partially meets expectations for clearly aligned responses (6-8)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Physical science	GE: 5-8: 12	Level C
Entry Point: *Student demonstrates understanding that solids, liquids, and gases have unique properties by indicating differences in the states of matter of solids, liquids, and gases.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Matches solid to solid when examples of solid objects are dissimilar
1.33	2. Matches liquid to liquid when examples of liquids are dissimilar
1.33	3. Matches gas to gas when examples of gases are dissimilar
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (4-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-3)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Physical science	GE: 5-8: 14	Level A
Entry Point: *Student demonstrates understanding that energy can cause a physical change of state in a substance by describing how heating or cooling would affect the movement of molecules in solids, liquids, and gases.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Describes or illustrates with labels (text) how heating and cooling cause a change in molecular motion in a substance
1.33	2. Describes or illustrates with labels (text) how heating and cooling effects a physical change of state in a substance from solid to liquid to gas and back
1.33	3. Describes or illustrates with labels (text) how heating and cooling effects a physical change of state in substances from solid to liquid to gas for a variety of different substances
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥12)
1	▸ Partially meets expectations for clearly aligned responses (6-11)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Physical science	GE: 5-8: 14	Level B
Entry Point: *Student demonstrates understanding that energy can cause a physical change of state in a substance by identifying the effects of heating and cooling on solids, liquids, or gases.*				

Alignment Score

Value (0-4)	Target Behaviors
1	1. Identifies change in volume of a solid when heated or cooled
1	2. Identifies change in volume of a liquid when heated or cooled
1	3. Identifies change in volume of a gas when heated or cooled
1	4. Identifies change in volume of a solid, liquid, or gas when heated or cooled for a variety of different substances
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥12)
1	▸ Partially meets expectations for clearly aligned responses (6-11)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Physical science	GE: 5-8: 14	Level C
Entry Point: *Student demonstrates understanding that energy can cause a physical change of state in a substance by indicating a difference in objects after heating.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Matches substance in solid state to same substance in liquid state
2	2. Matches substance in solid state to same substance in liquid state for a variety of different substances
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (3-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-2)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Physical science	GE: 5-8: 21	Level A
Entry Point: *Student demonstrates understanding that different amounts of force (push/pull) affect the speed and direction of motion of objects by predicting how the strength of an external force will affect the speed or direction of a moving object.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Predicts how a change in force will affect the speed or direction of a moving object
1.33	2. Applies forces of different strengths to an object to demonstrate how speed or direction is affected
1.33	3. Applies forces of different strengths to a variety of different objects to demonstrate how speed or direction is affected
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥9)
1	▸ Partially meets expectations for clearly aligned responses (4-8)
0*	▸ Below minimum expectations for clearly aligned responses (0-3)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Physical science	GE: 5-8: 21	Level B
Entry Point: *Student demonstrates understanding that different amounts of force (push/pull) affect the speed and direction of motion of objects by connecting the change in speed or direction of an object to the force (backward, forward, diagonal) that is applied.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Connects the change in the speed or direction of an object to the related force that is applied
2	2. Relates the change in the speed or direction of an object to a variety of forces of different types or strengths
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (6-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Physical science	GE: 5-8: 21	Level C
Entry Point: *Student demonstrates understanding that different amounts of force (push/pull) will change direction of objects by applying forces to everyday objects to change speed.*				

Alignment Score

Value (0-4)	Target Behaviors
4	1. Indicates or applies intentional force to slow down or speed up an object
0	
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (4-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-3)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Physical science	GE: 5-8: 24	Level A
Entry Point: *Student demonstrates understanding that electrical energy can be transformed into other forms by describing how electrical energy can be transformed into heat, light, or sound.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Describes or illustrates with labels (text) how electricity is transformed into other forms for practical use
2	2. Produces or describes a variety of different energy transformations (e.g., heat, light, sound)
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Physical science	GE: 5-8: 24	Level B
Entry Point: *Student demonstrates understanding that electrical energy can be transformed into other forms by identifying multiple forms of energy that can be produced from energy.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Locates or identifies an example in the local environment that represents the practical use of electricity
2	2. Locates or identifies examples in the local environment that represent a variety of different electrical transformations (e.g., heat, light, motion, sound)
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (6-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Physical science	GE: 5-8: 24	Level C
Student demonstrates understanding that electrical energy can be transformed into other forms by identifying or utilizing electrical switches to produce an intended effect.				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Repeats the action required to activate or deactivate an electronic device
2	2. Provides the required action to activate or deactivate a variety of different electronic devices
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (4-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-3)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Physical science	GE: 5-8: 25	Level A
Entry Point: *Student demonstrates understanding that the strength of a magnetic force field can vary by predicting how distance affects the magnetic force on an object.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Predicts maximum distances at which magnets of different strengths will attract an object
2	2. Uses multiple trials with magnets of different strengths to test predictions for attraction
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Physical science	GE: 5-8: 25	Level B
Entry Point: *Student demonstrates understanding that the strength of a magnetic force field can vary by classifying objects that are attracted to, not attracted to, and repelled by magnets.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Sorts a variety of different common objects into groups, according to magnetic forces (magnetic, non-magnetic, repelled)
2	2. Labels (pictures with symbols or text) groups of sorted objects (magnetic, non-magnetic, repelled)
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥12)
1	▸ Partially meets expectations for clearly aligned responses (6-11)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Physical science	GE: 5-8: 25	Level C
Entry Point: *Student demonstrates understanding that the strength of a magnetic force field can vary by indicating the correct location for objects to be attracted to magnets.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Uses multiple trials to establish the position of an object that is attracted to a fixed magnet
2	2. Identifies a variety of different positions where an object is attracted to a fixed magnet
0	
0	
0*	▸ No Behaviors Awarded

Value (0-2)	Applications
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (4-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-3)

Value (0-4)	Accuracy
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Life science	GE: 5-8: 33	Level A
Entry Point: *Student demonstrates understanding that energy is needed by living things to survive by describing how living organisms obtain materials they need to produce energy to live and grow.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Describes or illustrates with labels (text) how animals obtain the basic materials needed to produce energy (e.g., sunlight, water, carbon dioxide, food, oxygen) to live and grow
2	2. Describes or illustrates with labels (text) how plants obtain the basic materials needed to produce energy (e.g., sunlight, water, carbon dioxide, food, oxygen) to live and grow
0	
0	
0*	▸ No Behaviors Awarded

Value (0-2)	Applications
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥9)
1	▸ Partially meets expectations for clearly aligned responses (6-8)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)

Value (0-4)	Accuracy
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Life science	GE: 5-8: 33	Level B
Entry Point: *Student demonstrates understanding that energy is needed by living things to survive by identifying what plants and animals require to produce energy to live and grow.*				

Alignment Score

Value (0-4)	Target Behaviors
1	1. Identifies source(s) of energy required for a plant to live and grow
1	2. Shows the effects of energy on plants (growth)
1	3. Identifies source(s) of energy required for an animal to live and grow
1	4. Shows the effects of energy on animals (growth)
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (6-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Life science	GE: 5-8: 33	Level C
Entry Point: *Student demonstrates understanding that energy is needed by living things to survive by matching an energy source necessary for living things to live and grow to specific organisms.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Connects energy source(s) needed to live and grow to a specific organism
2	2. Connects energy source(s) needed to live and grow to a variety of different organisms
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (4-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-3)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Life science	GE: 5-8: 35	Level A
Entry Point: *Student demonstrates understanding that living things exist in a balance with other organisms in their environment (food webs) by describing how living things are affected by changes in a food web within the environment.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Describes or demonstrates (with text) how an organism is affected by changes (shows cause and effect relationship) in a food web
2	2. Describes or demonstrates (with text) how a variety of different organisms are affected by changes (shows cause and effect relationship) in a food web
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (6-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Life science	GE: 5-8: 35	Level B
Entry Point: *Student demonstrates understanding that living things exist in a balance with other organisms in their environment (food webs) by identifying organisms as producers or consumers for a food web in the local environment.*				

Alignment Score

Value (0-4)	Target Behaviors
1	1. Identifies and labels (pictures with symbols or text) an organism that is a producer in a food web in the local environment
1	2. Identifies the producers in a variety of different food webs
1	3. Identifies and labels (pictures with symbols or text) an organism that is a consumer in a food web in the local environment
1	4. Identifies the consumers in a variety of different food webs
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (6-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Life science	GE: 5-8: 35	Level C
Entry Point: *Student demonstrates understanding that living things exist in a balance with other organisms in their environment (food webs) by connecting living things to their primary food sources in a food web.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Matches organism to its principal food source(s)
2	2. Identifies the principal food source(s) for a variety of different organisms
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (4-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-3)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Life science	GE: 5-8: 40	Level A
Entry Point: *Student demonstrates understanding that physical features of humans are inherited from parents by describing how reproductive cells from parents join to produce offspring.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Describes/illustrates with labels (text) how reproductive cells from each human parent combine to produce cells in offspring
2	2. Identifies specific physical traits that are shared between biological parent(s) and offspring
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Life science	GE: 5-8: 40	Level B
Entry Point: *Student demonstrates understanding that physical features of humans are inherited from parents by identifying physical similarities between biological parents and their offspring.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Connects physical characteristic(s) of offspring to one or both biological parents
2	2. Connects a variety of physical characteristics of offspring to one or both biological parents
0	
0	
0*	▸ No Behaviors Awarded

Value (0-2)	Applications
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (4-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-3)

Value (0-4)	Accuracy
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Life science	GE: 5-8: 40	Level C
Entry Point: *Student demonstrates understanding that physical features of humans are inherited from parents by indicating prominent inheritable physical features of humans.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Matches physical feature in one person to same feature in another person
2	2. Matches physical features in one person to the same features in another person for a variety of different features
0	
0	
0*	▸ No Behaviors Awarded

Value (0-2)	Applications
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (4-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-3)

Value (0-4)	Accuracy
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Life science	GE: 5-8: 41	Level A
Entry Point: *Student demonstrates understanding that human body organs work together in systems to help humans survive by describing functions of human body systems and their related organs.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Names and identifies key components within a human body system
1.33	2. Describes the function and interaction of components in human body system
1.34	3. Describes how human body system(s) contribute(s) to survival
0	
0*	▸ No Behaviors Awarded

Value (0-2)	Applications
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)

Value (0-4)	Accuracy
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Life science	GE: 5-8: 41	Level B
Entry Point: *Student demonstrates understanding that human body organs work together in systems to help humans survive by connecting external human parts to larger body systems.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Identifies external human body part(s)
1.33	2. Connects specific human body part(s) to a related body system
1.33	3. Connects specific human body part(s) to a related body system for a variety of different body systems
0	
0*	▸ No Behaviors Awarded

Value (0-2)	Applications
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (6-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)

Value (0-4)	Accuracy
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Life science	GE: 5-8: 41	Level C
Entry Point: *Student demonstrates understanding that human body organs work together in systems to help humans survive by identifying the senses necessary to explore a variety of materials.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Uses senses to explore/engage material(s)
1.33	2. Identifies the appropriate sense(s) to engage a specific material
1.33	3. Uses the appropriate sense to engage a variety of different sensory inputs
0	
0*	▸ No Behaviors Awarded

Value (0-2)	Applications
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (6-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)

Value (0-4)	Accuracy
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Life science	GE: 5-8: 43	Level A
Entry Point: *Student demonstrates understanding that human body changes during its life span by comparing the similarities and differences across human life stages.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Identifies/names distinct stages of human life span (includes infant, toddler, child, teenager, adult)
1.33	2. Shows correct sequence for the stages of the human life cycle
1.33	3. Compares characteristics of the different life stages for humans
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥12)
1	▸ Partially meets expectations for clearly aligned responses (6-11)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Life science	GE: 5-8: 43	Level B
Entry Point: *Student demonstrates understanding that human body changes during its life span by sequencing the stages in the human life span.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Identifies the distinct stages of human life span (includes infant, toddler, child, teenager, adult)
2	2. Illustrates with labels (pictures with symbols or text) the correct sequence for the stages of the human life span
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Life science	GE: 5-8: 43	Level C
Entry Point: *Student demonstrates understanding that human body changes during its life span by showing the order of development in the human life span.*				

Alignment Score

Value (0-4)	Target Behaviors
4	1. Matches the correct order of human development for infant/child, teenager, adult
0	
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (3-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-2)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Earth & Space science	GE: 5-8: 44	Level A
Entry Point: *Student demonstrates understanding that earth orbits around the sun and the moon orbits around the earth by comparing the length of time for the earth to orbit the sun and the moon to orbit the earth.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Diagrams/models with labels (text) the orbit of the earth and the orbit of the moon
.5	2. Identifies the number of days for the earth to orbit the sun
.5	3. Identifies the number of days for the moon to orbit the earth
1	4. Compares the length of time for the orbits of the earth and the moon
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (6-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Earth & Space science	GE: 5-8: 44	Level B
Entry Point: *Student demonstrates understanding that earth orbits around the sun and the moon orbits around the earth by identifying the orbit and rotation of the earth around the sun and the moon around the earth.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Represents the orbit of the earth around the sun
1.33	2. Represents the orbit of the moon around the earth
1.33	3. Uses labels (pictures with symbols or text) for the earth, moon, and sun
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (4-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-3)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Earth & Space science	GE: 5-8: 44	Level C
Entry Point: *Student demonstrates understanding that earth orbits around the sun and the moon orbits around the earth by showing that the earth orbits around the sun and the moon orbits the earth.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Uses models or dramatizes to represent the earth traveling around the sun
2	2. Uses models or dramatizes to represent the moon traveling around the earth
0	
0	
0*	▸ No Behaviors Awarded

Value (0-2)	Applications
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (3-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-2)

Value (0-4)	Accuracy
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Earth & Space science	GE: 5-8: 46	Level A
Entry Point: *Student demonstrates understanding that characteristics of rocks provide clues to rocks' history by explaining how the characteristics of rocks indicate their history.*				

Alignment Score

Value (0-4)	Target Behaviors
1	1. Identifies characteristic(s) of igneous rock(s)
1	2. Identifies characteristic(s) of sedimentary rock(s)
1	3. Identifies characteristic(s) of metamorphic rock(s)
1	4. Explains how each type of rock (igneous, sedimentary, metamorphic) was formed
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥12)
1	▸ Partially meets expectations for clearly aligned responses (6-11)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Earth & Space science	GE: 5-8: 46	Level B
Entry Point: *Student demonstrates understanding that characteristics of rocks provide clues to rocks' history by identifying rock samples with their position in the Rock Cycle.*				

Alignment Score

Value (0-4)	Target Behaviors
1	1. Identifies/shows characteristic(s) of igneous rock sample(s)
1	2. Identifies/shows characteristic(s) of sedimentary rock sample(s)
1	3. Identifies/shows characteristic(s) of metamorphic rock sample(s)
1	4. Matches igneous, sedimentary, and metamorphic rock samples to their correct locations in the Rock Cycle
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥9)
1	▸ Partially meets expectations for clearly aligned responses (6-8)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Earth & Space science	GE: 5-8: 46	Level C
Entry Point: *Student demonstrates understanding that characteristics of rocks provide clues to rocks' history by matching samples of rock types to other samples with the same characteristics.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Matches igneous rock sample to similar igneous rock
1.33	2. Matches sedimentary rock sample to similar sedimentary rock
1.33	3. Matches metamorphic rock sample to similar metamorphic rock
0	
0*	▸ No Behaviors Awarded

Value (0-2)	Applications
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (3-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-2)

Value (0-4)	Accuracy
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Earth & Space science	GE: 5-8: 47	Level A
Entry Point: *Student demonstrates understanding that the surface of the earth undergoes changes (slow--weathering; fast--volcanoes, earthquakes by describing how new landforms are produced by the relocation of earth materials.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Describes or illustrates with labels (text) a landform that has been produced by the relocation of earth materials
2	2. Describes or illustrates with labels (text) a variety of different landforms that have been produced by the relocation of earth materials
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (4-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-3)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Earth & Space science	GE: 5-8: 47	Level B
Entry Point: *Student demonstrates understanding that the surface of the earth undergoes changes (slow--weathering; fast--volcanoes, earthquakes by identifying the changes in the earth's surface due to weathering and erosion of earth materials.*				

Alignment Score

Value (0-4)	Target Behaviors
1	1. Identifies the effect of weathering on the earth's surface
1	2. Provides a variety of different examples of weathering on the earth's surface
1	3. Identifies the effect of erosion on the earth's surface
1	4. Provides a variety of different examples of erosion on the earth's surface
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (6-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Earth & Space science	GE: 5-8: 47	Level C
Entry Point: *Student demonstrates understanding that the surface of the earth undergoes changes (slow--weathering; fast--volcanoes, earthquakes by using models to illustrate changes in landforms.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Produces or initiates a tangible change in a model of a landform
2	2. Produces or initiates a tangible change in a model of a landform using a variety of change agents (e.g., wind, water, etc.)
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (3-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-2)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Earth & Space science	GE: 5-8: 48	Level A
Entry Point: *Student demonstrates understanding of the processes of the water cycle by explaining the processes of the water cycle on earth.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Explains the major processes of the water cycle on earth (precipitation, evaporation, and condensation)
2	2. Illustrates with labels (text) the sequence of the water cycle from precipitation to evaporation to condensation and back to precipitation
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Earth & Space science	GE: 5-8: 48	Level B
Entry Point: *Student demonstrates understanding of the processes of the water cycle by identifying the path of water in the environment during the water cycle.*				

Alignment Score

Value (0-4)	Target Behaviors
3	1. Illustrates the sequence of water in the water cycle through transitions
1	2. Identifies and labels (pictures with symbols or text) the transitions in the water cycle as precipitation, evaporation, and condensation
0	
0	
0*	▸ No Behaviors Awarded

Value (0-2)	Applications
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (6-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)

Value (0-4)	Accuracy
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Earth & Space science	GE: 5-8: 48	Level C
Entry Point: *Student demonstrates understanding of the processes of the water cycle by recognizing different forms of water in the environment.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Locates form(s) of water in the local environment
2	2. Locates and engages a variety of different forms of water in the environment (liquid water, ice, snow, condensation, etc.)
0	
0	
0*	▸ No Behaviors Awarded

Value (0-2)	Applications
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (3-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-2)

Value (0-4)	Accuracy
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Earth & Space science	GE: 5-8: 49	Level A
Entry Point: *Student demonstrates understanding that humans cause both positive and negative changes in the natural environment by describing how human activity positively and negatively affects specific natural resources.*				

Alignment Score

Value (0-4)	Target Behaviors
1	1. Describes or demonstrates (with text) a positive effect humans have on a specific natural resource in the environment
1	2. Identifies a variety of different positive effects humans have on natural resources in the environment
1	3. Describes or demonstrates (with text) a negative effect humans have on a specific natural resource in the environment
1	4. Identifies a variety of different negative effects humans have on natural resources in the environment
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Earth & Space science	GE: 5-8: 49	Level B
Entry Point: *Student demonstrates understanding that humans cause both positive and negative changes in the natural environment by identifying changes in the local environment that are caused by humans.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Identifies a change in the local environment caused by human activity
2	2. Identifies a variety of different changes in local environment caused by human activity
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (6-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 5-8	Earth & Space science	GE: 5-8: 49	Level C
Entry Point: *Student demonstrates understanding that humans cause both positive and negative changes in the natural environment by identifying human activities as positive or negative in the environment.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Identifies a human behavior as either beneficial or harmful to the environment
2	2. Identifies a variety of different human behaviors as either beneficial or harmful to the environment
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (3-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-2)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Physical science	GE: 9-12: 9	Level A
Entry Point: *Student demonstrates understanding that one substance can be distinguished from another through comparison of physical and chemical properties by using both physical and chemical properties of matter to distinguish one substance from another.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Identifies and describes physical property(ies) of a substance
1.33	2. Identifies and describes chemical property(ies) of a substance
1.33	3. Uses physical and chemical properties to compare/contrast a variety of different substances
0	
0*	▸ No Behaviors Awarded

Value (0-2)	Applications
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)

Value (0-4)	Accuracy
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Physical science	GE: 9-12: 9	Level B
Entry Point: *Student demonstrates understanding that one substance can be distinguished from another through comparison of physical and chemical properties by comparing the physical and chemical properties of substances.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Identifies physical property(ies) of a substance
1.33	2. Identifies chemical property(ies) of a substance
1.33	3. Uses chart with labels (pictures with symbols or text) to compare the physical and chemical properties for a variety of different substances
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (6-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Physical science	GE: 9-12: 9	Level C
Entry Point: *Student demonstrates understanding that one substance can be distinguished from another through comparison of physical and chemical properties by indicating characteristic properties of different substances.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Indicates characteristic property of a substance
2	2. Indicates the characteristic properties of a variety of different substances
0	
0	
0*	▸ No Behaviors Awarded

Value (0-2)	Applications
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (3-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-2)

Value (0-4)	Accuracy
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Physical science	GE: 9-12: 14	Level A
Entry Point: *Student demonstrates understanding that temperature and pressure cause predictable changes in solid, liquids, and gases by predicting changes in states of matter due to changes in temperature and/or pressure.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Predicts how the physical state of matter for a substance changes due to a change in temperature and/or pressure
2	2. Tests and records how states of matter change due to changes in temperature and/or pressure for a variety of different materials
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Physical science	GE: 9-12: 14	Level B
Entry Point: *Student demonstrates understanding that temperature and pressure cause predictable changes in solid, liquids, and gases by examining how heat or pressure applied to matter can cause changes in state.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Illustrates with labels (pictures with symbols or text) how temperature or pressure changes the state of matter of a substance
2	2. Illustrates with labels (pictures with symbols or text) the changes in states of matter when heat or pressure is applied for a variety of different substances
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Application**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (6-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Physical science	GE: 9-12: 14	Level C
Entry Point: *Student demonstrates understanding that temperature and pressure cause predictable changes in solid, liquids, and gases by indicating the effects of heating and cooling on different materials.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Indicates how heating affects a specific material
1.33	2. Indicates how cooling affects a specific material
1.33	3. Indicates how heating and cooling affect a variety of different materials
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (3-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-2)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Physical science	GE: 9-12: 19	Level A
Entry Point: *Student demonstrates understanding that force affects the direction, speed, and distance which objects move by predicting the direction, speed, and distance of movement of objects based on change of force.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Predicts how a force affects the direction, speed, and/or distance an object travels
1.33	2. Tests and records how a variety of different forces affect the direction, speed, and/or distance an object travels
1.33	3. Compares findings to draw conclusions about how different forces affect the direction, speed, and/or distance an object travels
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Physical science	GE: 9-12: 19	Level B
Entry Point: *Student demonstrates understanding that energy can cause a physical change of state in a substance by identifying and measuring the change of speed and distance of an object in response to varying forces.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Observes and measures how a change in the amount of force affects the distance an object travels
1.33	2. Observes and measures how a change in the amount of force affects the speed of an object
1.33	3. Uses chart to compares findings and draw conclusions about the relationship between a change in force and the speed and distance an object travels
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (6-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

Science	Grades 9-11	Physical science	GE: 9-12: 19	Level C
Entry Point: *Student demonstrates understanding that energy can cause a physical change of state in a substance by associating the distance an object travels with the strength of force applied.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Connects the amount of force to distance traveled for an object
2	2. Connects the distance traveled for an object to a variety of strengths of force
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (3-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-2)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Physical science	GE: 9-12: 24	Level A
Entry Point: *Student demonstrates understanding that electrical force arises from the attraction or repulsion of like and unlike charges by explaining the effects of attraction and repulsion in a simple motor.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Constructs or draws a diagram of a simple motor
1.33	2. Identifies or labels (with text) the essential components of a simple motor
1.33	3. Explains or illustrates the effect of attraction and repulsion charges in a simple motor
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Physical science	GE: 9-12: 24	Level B
Entry Point: *Student demonstrates understanding that electrical force arises from the attraction or repulsion of like and unlike charges by identifying how the amount of charge affects the strength of an electrical force.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Identifies/demonstrates (with text) how a change in an electrical charge (electromagnetic and/or electrostatic) affects the strength of attraction or repulsion
2	2. Identifies/demonstrates how a change in an electrical charge (electromagnetic and/or electrostatic) affects the strength of attraction or repulsion in a variety of different systems
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (6-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Physical science	GE: 9-12: 24	Level C
Entry Point: *Student demonstrates understanding that electrical force arises from the attraction or repulsion of like and unlike charges by creating an electrostatic charge.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Creates or imitates the motion required to produce an electrical charge through friction
2	2. Shows the effect (attraction) of creating an electrical force in an object
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (3-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-2)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Life science	GE: 9-12: 33	Level A
Entry Point: *Student demonstrates understanding that energy obtained through chemical reactions within cells of plants and animals is critical for survival by describing the flow of energy that plant cells and animal cells use to obtain energy for survival, including photosynthesis and cellular respiration.*				

Alignment Score

Value (0-4)	Target Behaviors
1	1. Describes or illustrates with labels (text) the flow of energy during photosynthesis in plants
1	2. Describes or illustrates with labels (text) the flow of energy during cellular respiration in plants
1	3. Describes or illustrates with labels (text) the flow of energy during cellular respiration in animals
1	4. Connects the flow of energy from photosynthesis through respiration in an animal cell
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Life science	GE: 9-12: 33	Level B
Entry Point: *Student demonstrates understanding that energy obtained through chemical reactions within cells of plants and animals is critical for survival by identifying how plant and animal cells use cellular processes to produce energy for survival.*				

Alignment Score

Value (0-4)	Target Behaviors
1	1. Illustrates with labels (pictures with symbols or text) the process of photosynthesis in plants
1	2. Illustrates with labels (pictures with symbols or text) the process of cellular respiration in plants
1	3. Illustrates with labels (pictures with symbols or text) the process of cellular respiration in animals
1	4. Connects photosynthesis and cellular respiration to energy needed for survival
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Life science	GE: 9-12: 33	Level C
Entry Point: *Student demonstrates understanding that energy obtained through chemical reactions within cells of plants and animals is critical for survival by indicating the association between healthy green plants and sunlight and healthy animals and food.*				

Alignment Score

Value (0-4)	Target Behaviors
1	1. Connects healthy plant(s) with sunlight
1	2. Connects unhealthy/dead plant(s) with darkness
1	3. Connects healthy animal(s) with adequate food supply
1	4. Connects unhealthy animal(s) with inadequate food supply
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (3-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-2)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Life science	GE: 9-12: 35	Level A
Entry Point: *Student demonstrates understanding that matter is cycled within food webs through cellular processes by describing how carbon or nitrogen cycles through organisms at the cellular level.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Uses scientific language or illustrates with labels (text) to describe how carbon or nitrogen cycles through plants
2	2. Uses scientific language or illustrates with labels (text) to describe how carbon or nitrogen cycles through animals
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Life science	GE: 9-12: 35	Level B
Entry Point: *Student demonstrates understanding that matter is cycled within food webs through cellular processes by identifying how carbon, oxygen, or nitrogen cycles through organisms in a food web.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Identifies components within the carbon, oxygen, or nitrogen cycles
2	2. Identifies the path of carbon, oxygen, or nitrogen in a food web within a specific ecosystem
0	
0	
0*	▸ No Behaviors Awarded

Value (0-2)	Applications
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (6-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)

Value (0-4)	Accuracy
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Life science	GE: 9-12: 35	Level C
Entry Point: *Student demonstrates understanding that matter is cycled within food webs through cellular processes by identifying organisms in a food chain.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Connects organism to a coherent food chain
2	2. Connects organisms to a coherent food chain for a variety of different organisms
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (3-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-2)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Life science	GE: 9-12: 40	Level A
Entry Point: *Student demonstrates understanding that humans inherit physical features from parents through genetic information contained within chromosomes by explaining how an alteration of a chromosome may affect physical or chemical characteristics of the human body.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Identifies prominent inheritable physical and chemical characteristics of the human body
1.33	2. Describes the relationship between chromosomes and the appearance of physical or chemical characteristics in the human body
1.33	3. Provides a variety of examples of the effects of chromosome alteration in the human body
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Life science	GE: 9-12: 40	Level B
Entry Point: *Student demonstrates understanding that humans inherit physical features from parents through genetic information contained within chromosomes by identifying how chromosomes in human male and female cells combine to produce offspring that resemble the parents.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Identifies, demonstrates, illustrates with labels (pictures with symbols or text) that each parent contributes the same number of chromosomes to offspring
2	2. Demonstrates the contribution through chromosomes of each parent to the physical features of the offspring
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (6-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Life science	GE: 9-12: 40	Level C
Entry Point: *Student demonstrates understanding that humans inherit physical features from parents through genetic information contained within chromosomes by indicating that the child exhibits features from both biological parents.*				

Alignment Score

Value (0-4)	Target Behaviors
4	1. Combines facial features from each parent to produce facial features of offspring
0	
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (3-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-2)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Life science	GE: 9-12: 41	Level A
Entry Point: *Student demonstrates understanding that all systems of the human body are continually working together to maintain homeostasis by explaining how human body systems depend upon each other for survival in response to an external stimulus.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Identifies and labels (text) different internal body systems that interact to ensure survival
1.33	2. Identifies the essential components in connected internal body systems that interact to ensure survival
1.33	3. Explains or demonstrates how different internal body systems interact to contribute to survival in response to an external stimulus
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥12)
1	▸ Partially meets expectations for clearly aligned responses (6-11)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Life science	GE: 9-12: 41	Level B
Entry Point: *Student demonstrates understanding that all systems of the human body are continually working together to maintain homeostasis by identifying the interactive relationship between body systems.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Identifies an internal body system and its function(s)
1.33	2. Identifies a variety of different internal body systems and their functions
1.33	3. Shows the interaction between/among different internal body systems
0	
0*	▸ No Behaviors Awarded

Value (0-2)	Applications
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (6-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)

Value (0-4)	Accuracy
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Life science	GE: 9-12: 41	Level C
Entry Point: *Student demonstrates understanding that all systems of the human body are continually working together to maintain homeostasis by matching body organs or structures the corresponding system.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Matches body part to corresponding part of a model of body system
2	2. Matches a variety of different body parts to the corresponding parts of models of different body systems
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (3-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-2)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Life science	GE: 9-12: 43	Level A
Entry Point: *Student demonstrates understanding that there are critical events that occur during each stage of the human embryo development by comparing the development of the human embryo to the development of other vertebrate organisms.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Describes or illustrates with labels (text) the stages of development for the human embryo
1.33	2. Describes or illustrates with labels (text) the stages of development for a non-human vertebrate organism
1.33	3. Compares the development of human embryo to the development of other vertebrate organism(s) across multiple stages
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Life science	GE: 9-12: 43	Level B
Entry Point: *Student demonstrates understanding that there are critical events that occur during each stage of the human embryo development by identifying the sequence of events in human embryo development.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Identifies or illustrates with labels (pictures with symbols or text) an important event that occurs in human embryo development during each trimester
2	2. identifies multiple events for each trimester in human embryo development
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (6-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Life science	GE: 9-12: 43	Level C
Entry Point: *Student demonstrates understanding that there are critical events that occur during each stage of the human embryo development by identifying pregnancy in the sequence of human development.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Connects infant/child with pregnant adult female
2	2. Matches the sequence of human development in the correct progression (adult female, pregnant adult female, infant/child)
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (3-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-2)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Earth & Space science	GE: 9-12: 44	Level A
Entry Point: *Student demonstrates understanding that there are distinct differences in composition of the atmospheres of inner and outer planets of our solar system by comparing the general characteristics of the atmospheres of inner planets and outer planets of our solar system.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Describes characteristic(s) of the atmospheres of inner planet(s) in the solar system
1.33	2. Describes characteristic(s) of the atmospheres of outer planet(s) in the solar system
1.33	3. Compares the atmospheres of inner and outer planets in the solar system
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Earth & Space science	GE: 9-12: 44	Level B
Entry Point: *Student demonstrates understanding that there are distinct differences in composition of the atmospheres of inner and outer planets of our solar system by identifying the unique characteristics of a planet in the solar system.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Identifies a unique characteristic of a planet in the solar system
2	2. Identifies a variety of different characteristics of a planet in the solar system
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (6-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Earth & Space science	GE: 9-12: 44	Level C
Entry Point: *Student demonstrates understanding that there are distinct differences in composition of the atmospheres of inner and outer planets of our solar system by indicating the order of planets in our solar system.*				

Alignment Score

Value (0-4)	Target Behaviors
4	1. Indicates the order of the sun and planets in the solar system
0	
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (4-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-3)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Earth & Space science	GE: 9-12: 46	Level A
Entry Point: *Student demonstrates understanding that earth materials are conserved during the Rock Cycle by explaining how the amount of earth materials is conserved, even though earth materials undergo changes in form during the Rock Cycle.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Describes or Illustrates with labels (text) a change rocks undergo during the Rock Cycle
1.33	2. Describes or Illustrates with labels (text) the changes rocks undergo during the Rock Cycle for multiple transformations
1.33	3. Explains or shows how earth materials are conserved during transformations in the Rock Cycle
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Earth & Space science	GE: 9-12: 46	Level B
Entry Point: *Student demonstrates understanding that earth materials are conserved during the Rock Cycle by identifying the processes in the Rock Cycle.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Identifies or illustrates with labels (pictures with symbols or text) a process in the Rock Cycle (deposition/sedimentation, heat and compression, erosion, and volcanic activity)
2	2. Sequences the processes of the Rock Cycle through a variety of different transformations
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (6-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Earth & Space science	GE: 9-12: 46	Level C
Entry Point: *Student demonstrates understanding that earth materials are conserved during the Rock Cycle by matching the types of rock from the Rock Cycle.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Matches rock to another sample of the same rock type
2	2. Matches rock samples from a variety of different rock types to other samples of the same rock type
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (3-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-2)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Earth & Space science	GE: 9-12: 47	Level A
Entry Point: *Student demonstrates understanding of the processes that change Earth's land surface by analyzing how the locations of earth's earthquakes and volcanoes correlate with crustal plate boundaries.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Identifies location of major crustal plate boundary(ies) on the earth's surface
1.33	2. Locates sites of major volcanoe(s) and earthquake(s) on the earth's surface
1.33	3. Explains or shows the connection between earthquakes/volcanoes and plate boundaries
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Earth & Space science	GE: 9-12: 47	Level B
Entry Point: *Student demonstrates understanding that the surface of the earth undergoes changes (slow--weathering; fast--volcanoes, earthquakes) by identifying how the process of crustal plate movements has affected the position of Earth's continents.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Illustrates with labels (text) the super continent Pangaea with the early locations of the continents (North and South America, Australia, Africa, Eurasia, Antarctica, and India)
2	2. Demonstrates movement of the continents over geological time to their current location on the globe
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥12)
1	▸ Partially meets expectations for clearly aligned responses (6-11)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Earth & Space science	GE: 9-12: 47	Level C
Entry Point: *Student demonstrates understanding that the surface of the earth undergoes changes (slow--weathering; fast--volcanoes, earthquakes) by recognizing continents on a model of the earth.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Locates continental landmass(es) on model of earth with topographical features
2	2. Locates continental landmasses on model of earth for a variety of different continents
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (3-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-2)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored.

Science	Grades 9-11	Earth & Space science	GE: 9-12: 48	Level A
Entry Point: *Student demonstrates understanding that the unique properties of water impact the earth's weather patterns by explaining how large bodies of water affect local or global climate.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Explains or demonstrates how large body(ies) of water affect(s) local or global climate
2	2. Explains or demonstrates how large bodies of water affect local or global climate for a variety of different climates
0	
0	
0*	▸ No Behaviors Awarded

Value (0-2)	Applications
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)

Value (0-4)	Accuracy
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Earth & Space science	GE: 9-12: 48	Level B
Entry Point: *Student demonstrates understanding that the unique properties of water impact the earth's weather patterns by indicating how a large body of water can affect weather.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Indicates or illustrates with labels (pictures with symbols or text) how a large body of water affects weather (e.g., precipitation, wind, temperature, air pressure, clouds, etc.)
2	2. Indicates or illustrates with labels (pictures with symbols or text) how a large body of water affects weather for a variety of different locations and weather conditions
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Earth & Space science	GE: 9-12: 48	Level C
Entry Point: *Student demonstrates understanding that the unique properties of water impact the earth's weather patterns by associating the state of water with specific seasons.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Connects state of water to appropriate season
2	2. Connects different states of water to appropriate season for a variety of different seasons
0	
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (3-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-2)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Earth & Space science	GE: 9-12: 49	Level A
Entry Point: *Student demonstrates understanding that human choices can affect the natural environment by explaining how management of natural resources can be beneficial for the environment and for humans.*				

Alignment Score

Value (0-4)	Target Behaviors
1.33	1. Explains or demonstrates (with text) how management of natural resources can benefit humans
1.33	2. Explains or demonstrates (with text) how management of natural resources can benefit the environment
1.33	3. Identifies a variety of relationships in which the active management of natural resources has positive outcomes for both humans and the environment
0	
0*	▸ No Behaviors Awarded
Value (0-2)	**Applications**
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥10)
1	▸ Partially meets expectations for clearly aligned responses (6-9)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)
Value (0-4)	**Accuracy**
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Earth & Space science	GE: 9-12: 49	Level B
Entry Point: *Student demonstrates understanding that human choices can affect the natural environment by connecting human behavior with the effect on the global environment.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Connects human activity/behavior to the environmental consequence
2	2. Connects human activity/behavior to the environmental consequence for a variety of positive and negative outcomes
0	
0	
0*	▸ No Behaviors Awarded

Value (0-2)	Applications
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥8)
1	▸ Partially meets expectations for clearly aligned responses (6-7)
0*	▸ Below minimum expectations for clearly aligned responses (0-5)

Value (0-4)	Accuracy
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored

Science	Grades 9-11	Earth & Space science	GE: 9-12: 49	Level C
Entry Point: *Student demonstrates understanding that human choices can affect the natural environment by connecting human behavior to local environmental consequences.*				

Alignment Score

Value (0-4)	Target Behaviors
2	1. Connects human behavior to local environmental consequence(s)
2	2. Connects human behavior to local environmental consequences for a variety of different behaviors and outcomes
0	
0	
0*	▸ No Behaviors Awarded

Value (0-2)	Applications
1	▸ Student product demonstrates participation in meaningful and engaging activities and materials that are appropriate for the student's age and level of communication
1	▸ Student product demonstrates explicit connection to the unit of study, activities, and/or materials of the grade-level classroom (GLGEC)
0	▸ No Applications Awarded

Accuracy Score

Value (0-2)	Quantity
2	▸ Meets or exceeds expectations for clearly aligned responses (≥6)
1	▸ Partially meets expectations for clearly aligned responses (3-5)
0*	▸ Below minimum expectations for clearly aligned responses (0-2)

Value (0-4)	Accuracy
4	▸ Accuracy 90% - 100%
3	▸ Accuracy 75% - 89%
2	▸ Accuracy 50% - 74%
1	▸ Accuracy below 50% shows increase of at least 25% from baseline (*requires CAIR evidence of sufficient instruction)
0	▸ Accuracy below 50% AND less than 25% increase from baseline

* A score of 0 in this section will disqualify the strand from being scored