

Coherence and Alignment Among Science Curriculum, Instruction, and Assessment (CASCIA) Project

Grade 8 Unit 2: Gravity and Motion of Objects in the Solar System

Task 2 Prompt 1 Part A Scored and Annotated Anchor Set

March 2025

Grade 8 Unit 2: Gravity and Motion of Objects in the Solar System, Task 2 Prompt 1 Part A Scored and Annotated Anchor Set was developed with funding from the U.S. Department of Education under the Competitive Grants for State Assessments Program CFDA 84.368A. The contents of this paper do not represent the policy of the U.S. Department of Education, and no assumption of endorsement by the Federal government should be made.

All rights reserved. Any or all portions of this document may be reproduced and distributed without prior permission, provided the source is cited as: Coherence and Alignment Among Science Curriculum, Instruction, and Assessment (CASCIA) Project. (2025). *Grade 8 Unit 2: Gravity and Motion of Objects in the Solar System, Task 2 Prompt 1 Part A Scored and Annotated Anchor Set.* Lincoln, NE: Nebraska Department of Education.

CASCIA Grade 8 EOU Assessment 2 Task 2: Earth, Moon, and Sun Prompt 1 Part A Score Point 2

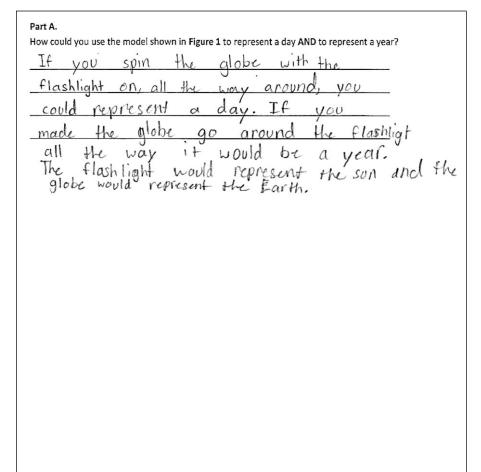
Prompt 1 Part A Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1 Part A.	No aspect of the response is correct	Response includes one (1) of the two (2) aspects	Response includes the following aspects: The day is represented by the globe making one full rotation (or spins once) The year is represented by the globe making one full revolution around the flashlight	NA	NA

Score Point 2 (2/2 aspects met)

Part A

- Includes the day being represented by the globe making one full rotation (i.e., The student response includes, "If you spin the globe . . . all the way around.").
- Includes that a year is represented by the globe making one full revolution around the flashlight (i.e., The student response includes, ". . . made the globe go around the flashlight . . .").



CASCIA Grade 8 EOU Assessment 2 Task 2: Earth, Moon, and Sun Prompt 1 Part A Score Point 1

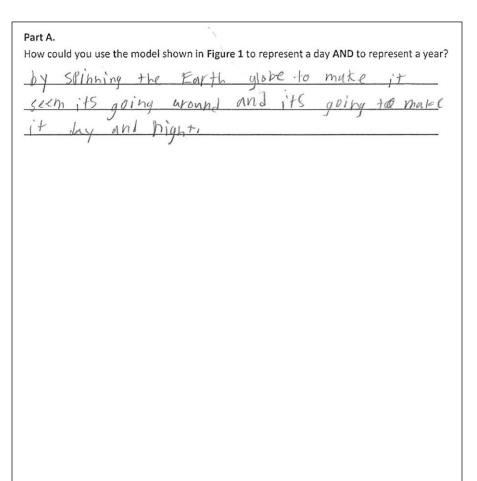
Prompt 1 Part A Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1 Part A.	No aspect of the response is correct	Response includes one (1) of the two (2) aspects	Response includes the following aspects: The day is represented by the globe making one full rotation (or spins once) The year is represented by the globe making one full revolution around the flashlight	NA	NA

Score Point 1 (1/2 aspects met)

Part A

- Includes a day being represented by the globe making one full rotation (i.e., The student response includes, ". . . spinning the Earth globe . . .").
- Does NOT include a description of how a year can be represented by the globe making one full revolution around the flashlight.



CASCIA Grade 8 EOU Assessment 2 Task 2: Earth, Moon, and Sun Prompt 1 Part A Score Point 0

Prompt 1 Part A Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1 Part A.	No aspect of the response is correct	Response includes one (1) of the two (2) aspects	Response includes the following aspects: The day is represented by the globe making one full rotation (or spins once) The year is represented by the globe making one full revolution around the flashlight	NA	NA

Score Point 0 (0/2 aspects met)

Part A

- Does **NOT** include a description of how the day could be represented by the globe making one full rotation.
- Does NOT include that a description of how a year can be represented by the globe making one full revolution around the flashlight (i.e., The student explains how the flashlight and globe represent a model of the sun and Earth but does not include the representation of a day or year).

