

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

Grade 5 Unit 4: Earth and its Gravitational Force and Motion

Task 2 Prompt 2 Parts B & C Scored and Annotated Anchor Set

May 2025

Grade 5 Unit 4: Earth and its Gravitational Force and Motion, Task 2 Prompt 2 Parts B & C 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.

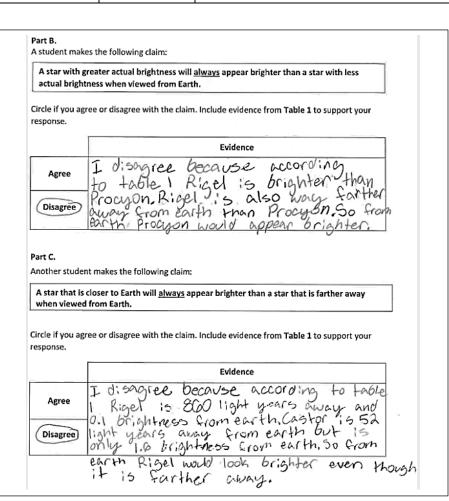
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**Prompt 2 Parts B & C Rubric** 

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2 Part B. & Part C.	No aspect of the response is correct	Response includes one (1) of the four (4) aspects	Response includes two (2) of the four (4) aspects	Response includes three (3) of the four (4) aspects	<ul> <li>Response includes the following aspects:</li> <li>Part B</li> <li>Disagrees with the claim</li> <li>Explains how the absolute or actual brightness of a star can "appear" different when viewed from Earth (e.g., the sun compared to Rigel) based on data from Table 1</li> <li>Part C</li> <li>Disagrees with the claim</li> <li>Explains how the apparent brightness of a star may appear dimmer from Earth than a star that is "actually" brighter (e.g., Rigel is brighter than the sun but appears dimmer from Earth) based on data from Table 1</li> </ul>

#### Score Point 4 (4/4 aspects met)

- Part B
  - Selects "Disagree."
  - Explains how the absolute or actual brightness of a star can "appear" different when viewed from Earth (i.e., response compares Procyon to Rigel) based on data from Table 1.
- Part C
  - Selects "Disagree."
  - Explains how the apparent brightness of a star may appear dimmer from Earth than a star that is "actually" brighter (i.e., response compares Castor to Rigel) based on data from Table 1.



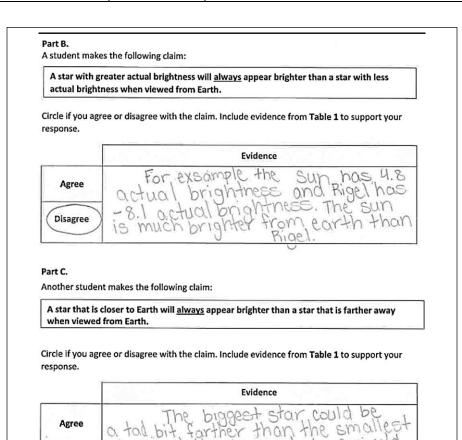
**Prompt 2 Parts B & C Rubric** 

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2 Part B. & Part C.	No aspect of the response is correct	Response includes one (1) of the four (4) aspects	Response includes two (2) of the four (4) aspects	Response includes three (3) of the four (4) aspects	<ul> <li>Response includes the following aspects:</li> <li>Part B</li> <li>Disagrees with the claim</li> <li>Explains how the absolute or actual brightness of a star can "appear" different when viewed from Earth (e.g., the sun compared to Rigel) based on data from Table 1</li> <li>Part C</li> <li>Disagrees with the claim</li> <li>Explains how the apparent brightness of a star may appear dimmer from Earth than a star that is "actually" brighter (e.g., Rigel is brighter than the sun but appears dimmer from Earth) based on data from Table 1</li> </ul>

Disagree

### Score Point 3 (3/4 aspects met)

- Part B
  - Selects "Disagree."
  - Explains how the absolute or actual brightness of a star can "appear" different when viewed from Earth (i.e., response compares the sun to Rigel) based on data from Table 1.
- Part C
  - Selects "Disagree."
  - Does NOT explain how the apparent brightness of a star may appear dimmer from Earth than a star that is "actually" brighter based on data from Table 1.

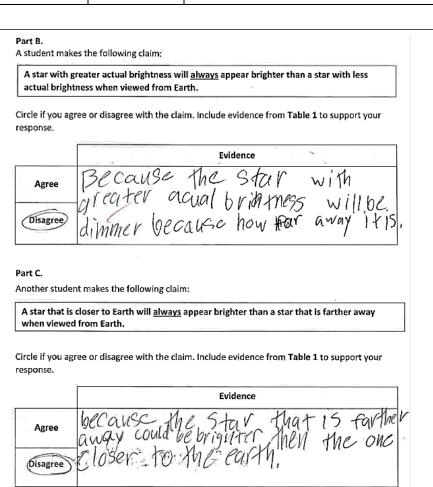


**Prompt 2 Parts B & C Rubric** 

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2 Part B. & Part C.	No aspect of the response is correct	Response includes one (1) of the four (4) aspects	Response includes two (2) of the four (4) aspects	Response includes three (3) of the four (4) aspects	<ul> <li>Response includes the following aspects:</li> <li>Part B</li> <li>Disagrees with the claim</li> <li>Explains how the absolute or actual brightness of a star can "appear" different when viewed from Earth (e.g., the sun compared to Rigel) based on data from Table 1</li> <li>Part C</li> <li>Disagrees with the claim</li> <li>Explains how the apparent brightness of a star may appear dimmer from Earth than a star that is "actually" brighter (e.g., Rigel is brighter than the sun but appears dimmer from Earth) based on data from Table 1</li> </ul>

#### Score Point 2 (2/4 aspects met)

- Part B
  - Selects "Disagree."
  - Does NOT explain how the absolute or actual brightness of a star can "appear" different when viewed from Earth based on data from Table 1.
- Part C
  - Selects "Disagree."
  - Does **NOT** explain how the apparent brightness of a star may appear dimmer from Earth than a star that is "actually" brighter based on data from Table 1.

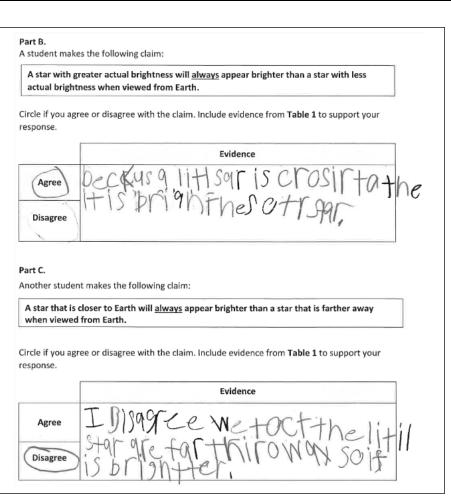


**Prompt 2 Parts B & C Rubric** 

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2 Part B. & Part C.	No aspect of the response is correct	Response includes one (1) of the four (4) aspects	Response includes two (2) of the four (4) aspects	Response includes three (3) of the four (4) aspects	<ul> <li>Response includes the following aspects:</li> <li>Part B</li> <li>Disagrees with the claim</li> <li>Explains how the absolute or actual brightness of a star can "appear" different when viewed from Earth (e.g., the sun compared to Rigel) based on data from Table 1</li> <li>Part C</li> <li>Disagrees with the claim</li> <li>Explains how the apparent brightness of a star may appear dimmer from Earth than a star that is "actually" brighter (e.g., Rigel is brighter than the sun but appears dimmer from Earth) based on data from Table 1</li> </ul>

### Score Point 1 (1/4 aspects met)

- Part B
  - Does NOT select "Disagree."
  - Does NOT explain how the absolute or actual brightness of a star can "appear" different when viewed from Earth based on data from Table 1.
- Part C
  - o Selects "Disagree."
  - Does NOT explain how the apparent brightness of a star may appear dimmer from Earth than a star that is "actually" brighter based on data from Table 1 (i.e., The student refers to the size "litil star" rather than brightness).



**Prompt 2 Parts B & C Rubric** 

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
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#### Score Point 0 (0/4 aspects met)

- Part B
  - Does NOT select "Disagree."
  - Does NOT explain how the absolute or actual brightness of a star can "appear" different when viewed from Earth based on data from Table 1.
- Part C
  - o Does **NOT** select "Disagree."
  - Does NOT explain how the apparent brightness of a star may appear dimmer from Earth than a star that is "actually" brighter based on data from Table 1.

