



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

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

Task 3 Prompt 1 Scored and Annotated Anchor Set

May 2025

Grade 5 Unit 4: Earth and its Gravitational Force and Motion, Task 3 Prompt 1 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 5 Unit 4: Earth and its Gravitational Force and Motion, Task 3 Prompt 1 Scored and Annotated Anchor Set*. Lincoln, NE: Nebraska Department of Education.

CASCIA Grade 5 EOU Assessment 4 Task 3: Turn. Turn, Turn

Prompt 1 Score Point 3

Prompt 1 Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1	No aspect of the response is correct	Response includes one (1) of the three (3) aspects	Response includes two (2) of the three (3) aspects	Response includes the following aspects: - Applies the dates from Table 2 to determine the pattern in daylengths from Table 1 to the appropriate seasons - Describes the general pattern of the changing length of daylight throughout the year - Describes or compares the length of day between at least two (2) seasons	NA

Score Point 3 (3/3 aspects met)

- Applies the dates from Table 2 to determine the pattern in daylengths from Table 1 to the appropriate seasons.
- Describes the general pattern of the changing length of daylight throughout the year (i.e., more daylight hours in the summer than in winter).
- Describes and compares the length of day between at least two (2) seasons (i.e., 5 hour 35 minute difference between winter and summer).

Compare a pattern in the length of daylight during the year for two seasons. Include data from Table 1 and Table 2.

There are more daylight hours in the summer than the winter. On the chart, in the summer, June 21 has 14 hrs 55 min. of daylight, while in the winter on Dec. 21, it has 9 hrs 20 min. Which is a 5 hr 35 minute difference.

CASCIA Grade 5 EOU Assessment 4 Task 3: Turn. Turn, Turn

Prompt 1 Score Point 2

Prompt 1 Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1	No aspect of the response is correct	Response includes one (1) of the three (3) aspects	Response includes two (2) of the three (3) aspects	Response includes the following aspects: - Applies the dates from Table 2 to determine the pattern in daylengths from Table 1 to the appropriate seasons - Describes the general pattern of the changing length of daylight throughout the year - Describes or compares the length of day between at least two (2) seasons	NA

Score Point 2 (2/3 aspects met)

- Applies the dates from Table 2 to determine the pattern in daylengths from Table 1 to the appropriate seasons (i.e., response describes the general number of hours of summer and winter).
- Does **NOT** describe the general pattern of the changing length of daylight throughout the year.
- Describes the length of day between at least two (2) seasons (i.e., "Summer has more sunlight than winter according to table 1.").

Compare a pattern in the length of daylight during the year for two seasons. Include data from Table 1 and Table 2.

I table 1 summer's amount of daylight was 14 hours 55 minutes. In winter the amount of daylight was 9 hours 20 minutes. Summer has more sunlight than winter according to table 1.

CASCIA Grade 5 EOU Assessment 4 Task 3: Turn. Turn, Turn

Prompt 1 Score Point 1

Prompt 1 Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1	No aspect of the response is correct	Response includes one (1) of the three (3) aspects	Response includes two (2) of the three (3) aspects	Response includes the following aspects: - Applies the dates from Table 2 to determine the pattern in daylengths from Table 1 to the appropriate seasons - Describes the general pattern of the changing length of daylight throughout the year - Describes or compares the length of day between at least two (2) seasons	NA

Score Point 1 (1/3 aspects met)

- Does **NOT** apply the dates from Table 2 to determine the pattern in daylengths from Table 1 to the appropriate seasons.
- Describes the general pattern of the changing length of daylight throughout the year (i.e., response compares general day length between the first and last two months of the year).
- Does **NOT** describe the length of day between at least two (2) seasons (i.e., “Winter has a shorter length of day than summer.”).

Compare a pattern in the length of daylight during the year for two seasons. Include data from Table 1 and Table 2.

In the first 2 months and last 2 months it is short days. In May-September it is longer days. March, April, Oct is kind of long but short days.

CASCIA Grade 5 EOU Assessment 4 Task 3: Turn. Turn, Turn

Prompt 1 Score Point 0

Prompt 1 Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 1	No aspect of the response is correct	Response includes one (1) of the three (3) aspects	Response includes two (2) of the three (3) aspects	Response includes the following aspects: - Applies the dates from Table 2 to determine the pattern in daylengths from Table 1 to the appropriate seasons - Describes the general pattern of the changing length of daylight throughout the year - Describes or compares the length of day between at least two (2) seasons	NA

Score Point 0 (0/3 aspects met)

- Does **NOT** apply the dates from Table 2 to determine the pattern in daylengths from Table 1 to the appropriate seasons.
- Does **NOT** describe the general pattern of the changing length of daylight throughout the year.
- Does **NOT** describe or compare the length of day between at least two (2) seasons.

Compare a pattern in the length of daylight during the year for two seasons. Include data from Table 1 and Table 2.

It becomes long then becomes short again