



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 2 Parts A & B Scored and Annotated Anchor Set

May 2025

Grade 5 Unit 4: Earth and its Gravitational Force and Motion, Task 3 Prompt 2 Parts A & B 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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CASCIA Grade 5 EOU Assessment 4 Task 3: Turn, Turn, Turn

Prompt 2 Parts A & B Score Point 4

Prompt 2 Parts A & B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2 Part A. & Part B.	No aspect of the response is correct	Response includes the following aspects: Part A - At least one (1) of the eight (8) moon phases is shown on a date that is one (1) more or one (1) less than the dates shown in the exemplar OR Part B One (1) of the four (4) predicted dates that may be up to two (2) more or up to two (2) less than the dates shown in the exemplar	Response includes the following aspects: Part A - At least four (4) of the eight (8) moon phases are shown on a date that is one (1) more or one (1) less than the dates shown in the exemplar AND Part B Two (2) of the four (4) predicted dates that may be up to two (2) more or up to two (2) less than the dates shown in the exemplar	Response includes the following aspects: Part A - At least six (6) of the eight (8) moon phases are shown on dates that are one (1) more or one (1) less than the dates shown in the exemplar AND Part B Three (3) of the four (4) predicted dates that may be up to two (2) more or up to two (2) less than the dates shown in the exemplar	Response includes the following aspects: Part A - Correct placement of the moon phases on the calendar for eight (8) dates that are one (1) more or one (1) less than the dates shown in the exemplar AND Part B - Correct prediction of the dates of the moon phases for four (4) dates that may be up to two (2) more or up to two (2) less than the dates shown in the exemplar

Score Point 4 (2/2 aspects met)

- Part A
 - Includes correct placement of the moon phases on the calendar for **eight (8)** dates that are one (1) more or one (1) less than the dates shown in the exemplar.
- Part B
 - Includes correct prediction of the dates of the moon phases for **four (4)** dates that may be up to two (2) more or up to two (2) less than the dates shown in the exemplar.

Figure 2. 2022 Calendar

Part B.

Predict the dates of the next New Moon, First Quarter, Full Moon, and Last Quarter in Table 4. Use information from your completed Figure 2 to support your prediction.

Table 4. Dates of Moon Phases

New Moon	First Quarter	Full Moon	Last Quarter
April 1 st	April 9 th	April 17 th	April 25 th

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Prompt 2 Parts A & B Score Point 3

Prompt 2 Parts A & B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2 Part A. & Part B.	No aspect of the response is correct	Response includes the following aspects: Part A - At least one (1) of the eight (8) moon phases is shown on a date that is one (1) more or one (1) less than the dates shown in the exemplar OR Part B One (1) of the four (4) predicted dates that may be up to two (2) more or up to two (2) less than the dates shown in the exemplar	Response includes the following aspects: Part A - At least four (4) of the eight (8) moon phases are shown on a date that is one (1) more or one (1) less than the dates shown in the exemplar AND Part B Two (2) of the four (4) predicted dates that may be up to two (2) more or up to two (2) less than the dates shown in the exemplar	Response includes the following aspects: Part A - At least six (6) of the eight (8) moon phases are shown on dates that are one (1) more or one (1) less than the dates shown in the exemplar AND Part B Three (3) of the four (4) predicted dates that may be up to two (2) more or up to two (2) less than the dates shown in the exemplar	Response includes the following aspects: Part A - Correct placement of the moon phases on the calendar for eight (8) dates that are one (1) more or one (1) less than the dates shown in the exemplar AND Part B - Correct prediction of the dates of the moon phases for four (4) dates that may be up to two (2) more or up to two (2) less than the dates shown in the exemplar

Score Point 3 (2/2 aspects met)

- Part A
 - Includes at least **six (6)** of the **eight (8)** moon phases that are shown on dates that are one (1) more or one (1) less than the dates shown in the exemplar.
- Part B
 - Includes **three (3)** of the **four (4)** predicted dates that are up to two (2) more or up to two (2) less than the dates shown in the exemplar (i.e., date of last quarter in April is more than two days different from exemplar).

Figure 2. 2022 Calendar

Part B.
Predict the dates of the next New Moon, First Quarter, Full Moon, and Last Quarter in Table 4.
Use information from your completed Figure 2 to support your prediction.

Table 4. Dates of Moon Phases

New Moon	First Quarter	Full Moon	Last Quarter
Apr 1	Apr 9	Apr 14	Apr 20

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

Prompt 2 Parts A & B Score Point 2

Prompt 2 Parts A & B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2 Part A. & Part B.	No aspect of the response is correct	Response includes the following aspects: Part A - At least one (1) of the eight (8) moon phases is shown on a date that is one (1) more or one (1) less than the dates shown in the exemplar OR Part B One (1) of the four (4) predicted dates that may be up to two (2) more or up to two (2) less than the dates shown in the exemplar	Response includes the following aspects: Part A - At least four (4) of the eight (8) moon phases are shown on a date that is one (1) more or one (1) less than the dates shown in the exemplar AND Part B Two (2) of the four (4) predicted dates that may be up to two (2) more or up to two (2) less than the dates shown in the exemplar	Response includes the following aspects: Part A - At least six (6) of the eight (8) moon phases are shown on dates that are one (1) more or one (1) less than the dates shown in the exemplar AND Part B Three (3) of the four (4) predicted dates that may be up to two (2) more or up to two (2) less than the dates shown in the exemplar	Response includes the following aspects: Part A - Correct placement of the moon phases on the calendar for eight (8) dates that are one (1) more or one (1) less than the dates shown in the exemplar AND Part B - Correct prediction of the dates of the moon phases for four (4) dates that may be up to two (2) more or up to two (2) less than the dates shown in the exemplar

Score Point 2 (2/4 aspects met)

- Part A
 - Includes at least **four (4)** of the **eight (8)** moon phases that are shown on a date that is one (1) more or one (1) less than the dates shown in the exemplar (i.e., response does not include the moon phases for March).
- Part B
 - Includes **two (2)** of the **four (4)** predicted dates that are two (2) more or up to two (2) less than the dates shown in the exemplar (i.e., only the new moon and full moon are within this range).

Figure 2. 2022 Calendar

Part B.

Predict the dates of the next New Moon, First Quarter, Full Moon, and Last Quarter in Table 4. Use information from your completed Figure 2 to support your prediction.

Table 4. Dates of Moon Phases

New Moon	First Quarter	Full Moon	Last Quarter
April 1	April 25	April 17	April 4

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Prompt 2 Parts A & B Score Point 1

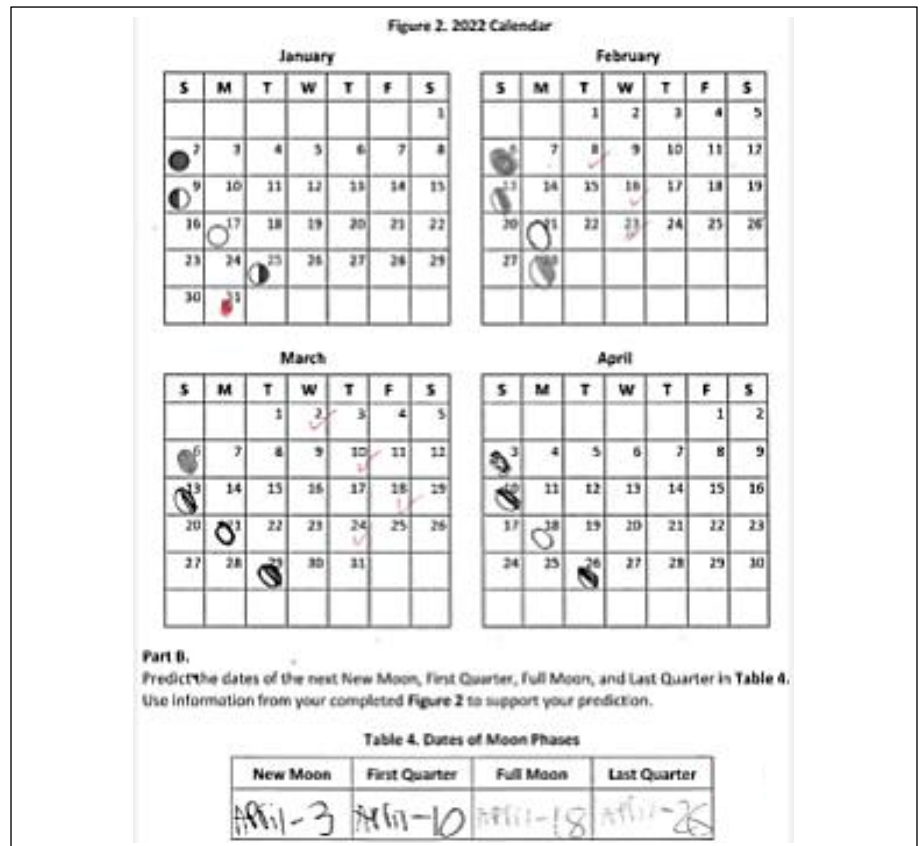
Prompt 2 Parts A & B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2 Part A. & Part B.	No aspect of the response is correct	Response includes the following aspects: Part A - At least one (1) of the eight (8) moon phases is shown on a date that is one (1) more or one (1) less than the dates shown in the exemplar OR Part B One (1) of the four (4) predicted dates that may be up to two (2) more or up to two (2) less than the dates shown in the exemplar	Response includes the following aspects: Part A - At least four (4) of the eight (8) moon phases are shown on a date that is one (1) more or one (1) less than the dates shown in the exemplar AND Part B Two (2) of the four (4) predicted dates that may be up to two (2) more or up to two (2) less than the dates shown in the exemplar	Response includes the following aspects: Part A - At least six (6) of the eight (8) moon phases are shown on dates that are one (1) more or one (1) less than the dates shown in the exemplar AND Part B Three (3) of the four (4) predicted dates that may be up to two (2) more or up to two (2) less than the dates shown in the exemplar	Response includes the following aspects: Part A - Correct placement of the moon phases on the calendar for eight (8) dates that are one (1) more or one (1) less than the dates shown in the exemplar AND Part B - Correct prediction of the dates of the moon phases for four (4) dates that may be up to two (2) more or up to two (2) less than the dates shown in the exemplar

Score Point 1 (1/4 aspects met)

- Part A
 - Does **NOT** include at least **one (1)** of the **eight (8)** moon phases that are shown on a date that is one (1) more or one (1) less than the dates shown in the exemplar.
- Part B
 - Includes at least **one (1)** of the **four (4)** predicted dates that may be up to two (2) more or up to two (2) less than the dates shown in the exemplar.

NOTE: All predicted phases are within the acceptable range.



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

Prompt 2 Parts A & B Score Point 0

Prompt 2 Parts A & B Rubric

Prompt	Score Point 0	Score Point 1	Score Point 2	Score Point 3	Score Point 4
Prompt 2 Part A. & Part B.	No aspect of the response is correct	Response includes the following aspects: Part A - At least one (1) of the eight (8) moon phases is shown on a date that is one (1) more or one (1) less than the dates shown in the exemplar OR Part B One (1) of the four (4) predicted dates that may be up to two (2) more or up to two (2) less than the dates shown in the exemplar	Response includes the following aspects: Part A - At least four (4) of the eight (8) moon phases are shown on a date that is one (1) more or one (1) less than the dates shown in the exemplar AND Part B Two (2) of the four (4) predicted dates that may be up to two (2) more or up to two (2) less than the dates shown in the exemplar	Response includes the following aspects: Part A - At least six (6) of the eight (8) moon phases are shown on dates that are one (1) more or one (1) less than the dates shown in the exemplar AND Part B Three (3) of the four (4) predicted dates that may be up to two (2) more or up to two (2) less than the dates shown in the exemplar	Response includes the following aspects: Part A - Correct placement of the moon phases on the calendar for eight (8) dates that are one (1) more or one (1) less than the dates shown in the exemplar AND Part B - Correct prediction of the dates of the moon phases for four (4) dates that may be up to two (2) more or up to two (2) less than the dates shown in the exemplar

Score Point 0 (0/4 aspects met)

- Part A
 - Does **NOT** include any of the phases within the one more or one less than date shown in the exemplar.
- Part B
 - Does **NOT** include any predicted date that is **two (2)** more or **two (2)** less than dates shown in the exemplar.

Figure 2. 2022 Calendar

Part B.

Predict the dates of the next New Moon, First Quarter, Full Moon, and Last Quarter in Table 4. Use information from your completed Figure 2 to support your prediction.

Table 4. Dates of Moon Phases

New Moon	First Quarter	Full Moon	Last Quarter
May 3, 2022	May 11, 2022	May 19, 2022	May 27, 2022