Two Sky Days

Use sunrise and sunset times to find a seasonal pattern.

E.2.8 "Students will demonstrate an understanding of the appearance, movements, and patterns of the sun, moon, and stars. Recognize that there are many stars that can be observed in the night sky and the Sun is the Earth's closest star..."

NAME _____ DATE _____

1 READ AND MARK

Read it twice

YOUR JOB Underline two clues about how the Sun seems to move each day, and circle what Nico's class used to find sunrise and sunset times.

Nico Watches the Sky

1. Nico watched the Sun appear in the eastern sky each morning. By lunch, it looked higher. Later, it disappeared in the west. The Sun seems to travel across the sky, but Earth is spinning. The Sun is a star, and many other stars can be seen at night.

2. Nico's class used a website to check sunrise and sunset times in Boston. They picked one winter date and one summer date. The times in the table are rounded to the nearest hour. Sunrise is when the Sun first appears. Sunset is when it disappears below the horizon.

BOSTON SUNRISE AND SUNSET, ROUNDED TIMES

Date	Sunrise	Sunset
January 15	7 a.m.	5 p.m.
July 15	5 a.m.	8 p.m.

3. On the summer date, the Sun is in the sky for more hours than on the winter date. Nico wonders what the sky will look like at seven in the evening on each date. He can use the times to make a prediction, then check the sky on another day.

2 ANSWER WITH EVIDENCE

Use the passage

1. Which date has an earlier sunrise? Use the table to explain.

2. Which date has more time between sunrise and sunset? How can you tell?

3. At 7 p.m., on which date would the Sun still be up? Use a sunset time to explain.

3 YOUR TURN

Your own words

Draw a three-panel model of the Sun's place in the sky on July 15: at sunrise, at midday, and at sunset. Label each panel, then write one sentence about the Sun's path.

ANSWER KEY

Two Sky Days

GRADE 2 · E.2.8

PART 1 · READ AND MARK

Underline two clues about how the Sun seems to move each day, and circle what Nico's class used to find sunrise and sunset times. Accept any marking that follows this job and points at the right text.

PART 2 · ANSWERS

#	QUESTION	ANSWER
1	Which date has an earlier sunrise? Use the table to explain.	**July 15 has an earlier sunrise. It is at 5 a.m., while sunrise on January 15 is at 7 a.m.**
2	Which date has more time between sunrise and sunset? How can you tell?	**July 15. The Sun rises earlier and sets later than it does on January 15.**
3	At 7 p.m., on which date would the Sun still be up? Use a sunset time to explain.	**July 15, because the Sun does not set until 8 p.m.**

PART 3 · YOUR TURN (SAMPLE ANSWER)

Panel 1, sunrise at about 5 a.m.: The Sun is low in the east. Panel 2, midday: The Sun is high in the sky. Panel 3, sunset at about 8 p.m.: The Sun is low in the west. The Sun seems to move from east to west across the sky.

Accept models that show the Sun low at sunrise and sunset and higher at midday. Times may be labeled with the rounded table values or with parts of the day.