Seasons and the Moon

Unit syllabus for students and families

We are learning how patterns help us predict changes in seasons and the Moon. Students will collect and study data, describe what they notice, and support their ideas with evidence.

Unit begins Week of November 2, 2026

Estimated length About 2–3 weeks

Test date To be announced

What we are learning

Seasons: Identify the repeating order of the seasons. Compare temperature and hours of daylight across the year in the same location. Use tables and graphs to describe patterns and make predictions.

The Moon: Record and compare the Moon's appearance over time. Put Moon phases in order and use the repeating pattern to predict what comes next. The Moon reflects sunlight; its actual shape does not change.

How we will show our learning

Students will interpret seasonal data and Moon observations, explain patterns during partner discussions, and write complete sentences using science vocabulary. Short checks for understanding will help guide our next steps.

Ways to practice at home

Ask, "What pattern do you notice? What evidence helps you predict what comes next?" Review a few vocabulary words at a time. If the Moon is visible, notice its appearance together; it can sometimes be seen during the day. Outdoor observation is optional.

Texas science standards

4.9A: Use seasonal data, including temperature and daylight, to identify patterns and make predictions.
4.9B: Use data about the Moon's appearance to identify patterns and make predictions. These are family-friendly summaries.

Standards source: TEA Earth and Space K–12 Vertical Alignment