



Science

Grade 6

4th Nine Weeks

This academic overview can be used to monitor and support your child's at-home learning progress.

Unit 8: The Solar System

Student Learning Targets

- I can write a description of the location of objects in space.
- I can explain the locations and movements of objects in space.
- I can cite evidence to support that gravity governs our solar system.

Questions to Check for Unit Understanding

- What are the physical properties of the Sun, planets, moon, meteors, asteroids, and comets?
- What is the largest celestial body in our solar system?
- Why do the planets in our Solar System revolve around the Sun, as opposed to revolving around other planets or moons?
- How do bodies in space move in relation to one another?
- What is the relationship between mass and gravity?

Key Academic Vocabulary

- orbit-the curved path described by a planet, satellite, spaceship, etc., around a celestial body in space
- gravity-the force by which a planet or other body draws objects toward its center; keeps all of the planets in orbit around the sun.

Unit 9: Taxonomic Groups

Student Learning Targets

- I can recognize that all organisms are made up of one or more cells
- I can predict if a cell is prokaryotic or eukaryotic based upon the presence or absence of a nucleus.
- I can categorize organisms into the six major kingdoms.
- I can classify organisms based upon specific characteristics.

Questions to Check for Unit Understanding

- What is a cell?
- What is the difference between a prokaryotic and eukaryotic cell?
- How do scientists classify organisms for research?
- What characteristics are used to classify organisms into domains and kingdoms?

Key Academic Vocabulary

- Organism-a self contained living thing
- Cell-the basic structural and functional unit of a living organism
- Prokaryotic-a cell lacking a nucleus or any other membrane-enclosed organelle
- Eukaryotic- a cell with a nucleus and membrane bound organelles
- Domain- the highest level of the taxonomic hierarchy; includes three groups
- Kingdoms-the second highest level in the taxonomic hierarchy; contains 6 groups