

6th Grade Science

Below are the Mastery Learning Targets, or priorities for all students to be successful when they advance to 7th Grade Science. **Mastery** (M) of these skills means the student has met the grade-level standard and is independently performing on grade level. Mastery may take time to reach, as foundational skills progress throughout the school year.

PHYSICAL SCIENCE

- Models and explains that gravity is a force found between any two objects.
- Designs a solution to a problem that involves two colliding objects.
- Argues that gravity depends on the distance and masses between objects.

LIFE SCIENCE

- Explains how energy and matter is recycled through ecosystems.
- Models and explains how energy and matter is recycled through ecosystems.
- Explains how relationships between organisms can affect populations.
- Uses data to determine how resources can affect living and nonliving parts of ecosystems.

EARTH / SPACE SCIENCE

- Models, identifies, and explains patterns of motions of the Sun, Earth, and Moon.
- Compares and contrasts the measurements and/or scale of objects in the solar system, using data.
- Models to explain how matter is cycled and energy drives this process on Earth.
- Uses data to determine how fossils, rocks, continental shapes, and seafloor structures show how plates are moving.