



**Guntersville
Middle School**

Excellence in All We Do!

**GUARANTEED/VIABLE CURRICULUM: What is it we expect students to learn annually in each course?
6th Grade Earth and Space Science**

Standard	Standard Description	Proficiency Timeline
Standard 6.2	Construct models and use and simulations (e.g. diagrams of the relationship between Earth and man-made satellites, rocket launch, International Space Station, elliptical orbits, black holes, life cycles of stars, orbital periods of objects within the solar system, astronomical units and light years) to explain the role of gravity in affecting the motions of celestial bodies (e.g., planets, moons, comets, asteroids, meteors) within galaxies and the solar system.	1st Nine Weeks
Standard 6.3	Develop and use models to determine scale properties of objects in the solar system (e.g., scale models representing sizes and distances of the sun, Earth, moon system based on a one-meter diameter sun.)	1st Nine Weeks
CCRS Literacy 6.3	Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.	1st Nine Weeks
Standard 6.3	Develop and use models to determine scale properties of objects in the solar system (e.g., scale models representing sizes and distances of the sun, Earth, moon system based on a one-meter diameter sun.)	2nd Nine Weeks
Standard 6.1	Create and manipulate models (e.g., physical, graphical, conceptual) to explain the occurrences of day/night cycles, length of year, seasons, eclipses and lunar phases based on patterns of the observed motions of celestial bodies.	2nd Nine Weeks
CCRS Literacy 6.3	Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.	2nd Nine Weeks

Standard	Standard Description	Proficiency Timeline
Standard 6.12	Use models to explain how the rotation of Earth and unequal heating of its surface create patterns of atmospheric and oceanic circulation that determines regional climates.	3rd Nine Weeks
Standard 6.13	Use experiments to investigate how energy from the sun is distributed between Earth's surface and its atmosphere by convection and radiation.	3rd Nine Weeks
Standard 6.11	Integrate qualitative scientific and technical information (e.g., weather maps; diagrams; other visualizations, including radar and computer simulations) to support the claim that motions and complex interactions of air masses result in changes in weather condition. (AL.6.11)	3rd Nine Weeks
CCRS Literacy 6.3	Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.	3rd Nine Weeks
Standard 6.5	Use evidence to explain how different geologic processes shape Earth's history over widely varying scales of space and time.	4th Nine Weeks
Standard 6.9	Use models to explain how the flow of Earth's internal energy drives a cycling of matter between Earth's surface and deep interior causing plate movements.	4th Nine Weeks
CCRS Literacy 6.3	Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.	4th Nine Weeks