

6th Grade Common Assessments

Astronomy & Space Science			Earth's Surface and Structure			Ecology & the Environment		
Standard	Description	Common Assessment	Standard	Description	Common Assessment	Standard	Description	Common Assessment
MS-ESS1-1	Develop and use a model of the Earth-Sun-Moon system to describe the cyclic patterns of lunar phases, eclipses of the Sun and Moon and seasons.	Earth's Revolution, Lunar Phases, Eclipses	MS-ESS1-4	Construct a scientific explanation based on evidence from rock strata for how the geologic time scale is used to organize Earth's 4.6 billion-year-old history.	The Geologic Time Scale	MS-ESS3-2	Analyze and interpret data on natural hazards to forecast future catastrophic events and inform and development of technologies to mitigate their impact.	Monitoring Earthquakes
MS-ESS1-2	Develop and use a model to describe the role of gravity in the motions within galaxies and the solar system.	Tides	MS-ESS2-1	Develop a model to describe the cycling of Earth's materials and the flow of energy that drives this process.	Rock Cycle	MS-ESS3-3	Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment.	Water Disposal and Recycling
MS-ESS1-3	Analyze and interpret data to determine scale properties of objects in the solar systems.	Distance from the Sun & Scale Size of the Planets	MS-ESS2-2	Construct an explanation based on evidence for how geoscience processes have changed Earth's surface at varying time and spatial scales.	Slow Changes Summary, Rapid Changes to Earth, Types of Plate Boundaries	MS-ESS3-4	Construct an argument supported by evidence for how increases in human population and per-capita consumption of natural resources impact Earth's systems.	Introduction to Natural Resources
			MS-ESS2-3	Analyze and interpret data on the distribution of fossils and rocks, continental shapes, and seafloor structures to provide evidence of the past plate motions.	Evidence for Pangaea	MS-LS2-2	Construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems.	Populations
			MS-ESS3-1	Construct a scientific explanation based on evidence for how the uneven distributions of Earth's mineral, energy, and groundwater resources are the result of past and current geosciences processes.	Earthquake & Volcano Map	MS-LS2-5	Evaluate competing design solutions for maintaining biodiversity and ecosystem services.	Biodiversity
			MS-LS2-3	Develop a model to describe the cycling of matter and flow of energy among living and nonliving parts of an ecosystem.	Nutrient Cycling			