



Report Card Rubric Science – 6th Grade

Reporting Standard on Report Card: Understands and investigates changes in matter.					
Standard	Trimester Reported*	1 Minimal	2 Developing	3 Proficient	4 Advanced
6.P1U1.1	1	Defines solids, liquids, and gases.	Collects data on movements of atoms in solids, liquids, or gases.	Analyze and interpret data to show that changes in states of matter are caused by different rates of movement of atoms in solids, liquids, and gases (Kinetic Theory).	Work independently to apply content knowledge or skills to a greater depth than expected by the standard.
6.P1U1.2	1	Describes temperature or pressure.	Distinguishes differences in states of matter.	Plan and carry out an investigation to demonstrate that variations in temperature and/or pressure affect changes in state of matter.	Work independently to apply content knowledge or skills to a greater depth than expected by the standard.
6.P1U1.3	1	Identifies pictures of atoms.	Describes atoms as smaller particles of matter.	Develop and use models to represent that matter is made up of smaller particles called atoms.	Work independently to apply content knowledge or skills to a greater depth than expected by the standard.



Report Card Rubric Science – 6th Grade

Reporting Standard on Report Card: Analyzes human technology use on energy.					
Standard	Trimester Reported*	1 Minimal	2 Developing	3 Proficient	4 Advanced
6.P4U2.5	1	Describes potential or kinetic energy. Identifies technologies humans use to store energy.	Distinguishes between potential and kinetic energy. Describes human use for energy.	Analyze how humans use technology to store (potential) and/or use (kinetic) energy.	Work independently to apply content knowledge or skills to a greater depth than expected by the standard.

Reporting Standard on Report Card: Uses models to predict how forces affect objects at a distance.					
Standard	Trimester Reported*	1 Minimal	2 Developing	3 Proficient	4 Advanced
6.P2U1.4	2	Identifies forces on objects.	Uses models to describe forces.	Develop and use a model to predict how forces act on objects at a distance.	Work independently to apply content knowledge or skills to a greater depth than expected by the standard.



Report Card Rubric Science – 6th Grade

Reporting Standard on Report Card: Develops investigations and explanations regarding Sun’s energy.					
Standard	Trimester Reported*	1 Minimal	2 Developing	3 Proficient	4 Advanced
6.E1U1.6	2	Defines radiation.	Analyzes evidence about how radiation from the Sun provides energy to warm Earth’s surface and atmosphere.	Investigate and construct an explanation demonstrating that radiation from the Sun provides energy and is absorbed to warm the Earth’s surface and atmosphere.	Work independently to apply content knowledge or skills to a greater depth than expected by the standard.

Reporting Standard on Report Card: Uses mathematical thinking to express relationships in the solar system.					
Standard	Trimester Reported*	1 Minimal	2 Developing	3 Proficient	4 Advanced
6.E2U1.7	2	Identifies objects in the solar system.	Collects data related to scale, properties and objects in our solar system.	Use ratios and proportions to analyze and interpret data related to scale, properties, and relationships among objects in our solar system.	Work independently to apply content knowledge or skills to a greater depth than expected by the standard.



Report Card Rubric Science – 6th Grade

Reporting Standard on Report Card: Develops and uses models to explain patterns in the night sky.					
Standard	Trimester Reported*	1 Minimal	2 Developing	3 Proficient	4 Advanced
6.E2U1.8	2	Identifies patterns in the night sky. Defines constellations, rotation and revolution.	Uses models to describe constellations.	Develop and use models to explain how constellations and other night sky patterns appear to move due to Earth's rotation and revolution.	Work independently to apply content knowledge or skills to a greater depth than expected by the standard.

Reporting Standard on Report Card: Develops models and explanations on eclipses, moon phases, and tides.					
Standard	Trimester Reported*	1 Minimal	2 Developing	3 Proficient	4 Advanced
6.E2U1.9	2	Identifies eclipses, moon phases, and tides.	Uses models to describe eclipses, moon phases or tides.	Develop and use models to construct an explanation of how eclipses, moon phases, and tides occur within the Sun- Earth-Moon system.	Work independently to apply content knowledge or skills to a greater depth than expected by the standard.



Report Card Rubric Science – 6th Grade

Reporting Standard on Report Card: Uses models to demonstrate Earth’s tilt results in seasons and length of day and night.					
Standard	Trimester Reported*	1 Minimal	2 Developing	3 Proficient	4 Advanced
6.E2U1.10	2	Defines Earth’s axis and seasons.	Explains how seasons occur.	Use a model to show how the tilt of Earth’s axis causes variations in the length of the day and gives rise to seasons.	Work independently to apply content knowledge or skills to a greater depth than expected by the standard.

Reporting Standard on Report Card: Uses evidence to construct arguments or claims on how humans impact factors within ecosystems.					
Standard	Trimester Reported*	1 Minimal	2 Developing	3 Proficient	4 Advanced
6.L2U3.11	3	Identifies positive or negative impacts of human impact on the environment.	Collects evidence regarding the impact of human activities on the environment and how they positively or negatively affect the competition for energy and resources in ecosystems.	Use evidence to construct an argument regarding the impact of human activities on the environment and how they positively and negatively affect the competition for energy and resources in ecosystems.	Work independently to apply content knowledge or skills to a greater depth than expected by the standard.
6.L2U3.12	3	States a claim about factors that cause species to change.	Collects evidence about the factors that cause species to change to support claim.	Engage in argument from evidence to support a claim about the factors that cause species to change and how humans can impact those factors.	Work independently to apply content knowledge or skills to a greater depth than expected by the standard.



Report Card Rubric Science – 6th Grade

Reporting Standard on Report Card: Uses models to show how organisms depend on factors and flow of energy in ecosystems.					
Standard	Trimester Reported*	1 Minimal	2 Developing	3 Proficient	4 Advanced
6.L2U1.13	3	Identifies abiotic and biotic factors in an environment.	Uses models to describe abiotic and biotic factors in an environment.	Develop and use models to demonstrate the interdependence of organisms and their environment including biotic and abiotic factors.	Work independently to apply content knowledge or skills to a greater depth than expected by the standard.
6.L2U1.14	3	Identifies flows of energy in ecosystems.	Interprets cycling of matter and flow of energy in ecosystems from an image or text.	Construct a model that shows the cycling of matter and flow of energy in ecosystems.	Work independently to apply content knowledge or skills to a greater depth than expected by the standard.