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6th Grade Science – Tennessee
Elevate Science – SAVVAS Learning Company
2025-2026 Syllabus

Topic	Lesson	Standards	Major Topics/Concepts
Energy	1: Kinetic and Potential Energy 2: Other Forms of Energy 3: Thermal Energy 4: Energy Change and Conservation	6.PS3.1 6.PS3.2 6.ETS1.2	-Model the relationship between kinetic and potential energy -Use scientific evidence to identify and relate different forms of energy -Investigate the relationship between temperature, thermal energy, and heat -Model proportional relationships to explain that energy is neither created nor destroyed
Ecosystems, Populations, and Energy	1: Living Things and the Environment	6.LS.2.1	-Investigate ecosystems and the effects of limiting factors on populations
1st Cumulative Assessment (covering all content to this point) CASE 1			
Ecosystems, Populations, and Energy	2: Interactions in Ecosystems 3: Energy Flow in Ecosystems	6.LS2.2 6.LS2.3	-Model different types of relationships between organisms and how changes to one population may impact another -Construct explanations about energy flow in ecosystems using models
Ecosystem Health and Biodiversity	1: Terrestrial Ecosystems 2: Aquatic Ecosystems 3: Benefits of Biodiversity	6.LS2.4 6.LS2.5 6.LS4.1 6.ETS1.1	-Investigate terrestrial ecosystems and the effect of invasive species on native populations -Investigate aquatic ecosystems and the effect of invasive species on native populations -Investigate the importance of biodiversity and design solutions for maintaining biodiversity
Earth's Hydrosphere and Atmosphere	1: Patterns in Earth's Atmosphere 2: Patterns in Earth's Ocean	6.ESS2.1 6.ESS2.2	-Investigate how differences in air pressure caused by the unequal heating of the atmosphere create global and local winds and how the rotation of Earth produces patterns of calm areas and global wind belts -Investigate how unequal heating and Earth's rotation produce patterns of ocean circulation that distribute energy
2nd Cumulative Assessment (covering all content to this point) CASE 2			

Earth's Hydrosphere and Atmosphere	3: The Water Cycle	6.ESS2.4	-Investigate how water is always moving between the surface of Earth and the atmosphere, the processes drive the water cycle, and how the water cycle affects the weather
Earth's Climates	1: Heating Earth's Surface 2: Weather 3: Climate	6.ESS2.3 6.ESS2.6 6.ESS2.7	-Investigate the impact greenhouse gases and rising temperatures have on Earth -Investigate the movement of air masses to identify the type of fronts and weather that can develop -Investigate how factors such as latitude, altitude, land distribution, and ocean currents influence climate patterns
Earth and Human Activity	1: Water Cycle and Landforms 2: Atmospheric Systems 3: Managing Earth's Resources 4: Conservation	6.ESS2.5 6.ESS2.6 6.ESS3.1 6.ESS3.2 6.ESS3.3	-Investigate how increases in human populations and need for natural resources impacts the water cycle and landforms -Model how energy is transferred from the sun to Earth's surface and air by radiation, conduction, and convection -Explore the diversity of nonrenewable energy sources and the impact of their scarcity on human energy use -Investigate how increases in human population and need for natural resources impacts Earth's systems
FINAL Comprehensive Assessment (covering all content) CASE 3			