

Gateways to Science for Grade 6

Texas Essential Knowledge and Skills (TEKS) Correlations



Gateways to Science		TEKS		2010 TEKS	
Unit	Lesson	Process	Content	Process	Content
Understanding the Structures and Properties of Matter	1.2: Safety	6.1A 6.3B	6.7B	6.1A 6.4B	
	1.3: Defining Matter	6.2B	6.7B 6.8 A	6.2C	6.6
	1.4: Physical Properties of Matter	6.2B 6.2E	6.7B 6.8A	6.2C 6.2D	6.6
	1.5: Measuring Length (need for density)	6.2B 6.2E 6.4A	6.7B	6.2C 6.2E 6.4A	6.6B
	1.6: Measuring Volume (need for density)	6.2A 6.2B 6.2C 6.2E 6.4A	6.7B	6.1B 6.2A 6.2C 6.2D 6.2E 6.4A	6.6B
	1.7: Measuring Mass (need for density)	6.2A 6.2B 6.2C 6.2E 6.4A	6.7B	6.1B 6.2A 6.2C 6.2D 6.2E	6.6B
	1.8: Relating Mass and Volume (need for density)	6.2B 6.4A	6.7B	6.2C 6.4A	6.6B
	1.9: Defining Density	6.2A 6.2B 6.2C 6.2D 6.2E 6.4A	6.7B	6.1A 6.1B 6.2A 6.2C 6.2D 6.2E 6.4A	6.6B
	1.10: Applying Density	6.2A 6.2B 6.2C 6.2D 6.2E 6.3C 6.4A	6.5B 6.7B	6.1A 6.1B 6.2B 6.2C 6.2D 6.2E 6.3B 6.3C 6.4A	6.6B

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	1.11: Chemical Properties of Matter	6.1A 6.2B 6.2C 6.4A	6.7B 6.7B	6.1A 6.1B 6.2C 6.2E 6.4A 6.4B	6.5D
	1.12: Classifying Matter based on Physical and Chemical Properties	6.1A 6.2A 6.2B 6.2C 6.2D 6.2E 6.4A	6.7A 6.7B	6.1A 6.1B 6.2B 6.2C 6.2D 6.2E 6.4A 6.4B	6.5D
Add	Elements and symbols, Gateways Grade 7, Lesson 1.3				6.5A
	Elements on Earth, living matter, ocean, atmosphere				6.5B
	Elements and compounds, Gateways Grade 7, Lesson 1.6				6.5C
	Metals / Nonmetals, Gateways Grade 7, Lesson 1.4				6.6A
	Calculate density to identify an unknown substance				6.6B

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Understanding Energy, Forces, and Motion	2.2: Forms of Energy	6.1A 6.2B 6.2C	6.8A	6.1A 6.2C 6.2E	4.6A 5.5A 6.9C
	2.3: Energy Transformations	6.2B 6.3D	6.8A 6.9A	6.2C 6.3D	6.9 C
	2.4: Sources of Energy	6.2B 6.2C 6.2D 6.2E 6.3D 6.4A 6.4B	6.8A 6.9A 6.9B 6.9C	6.2C 6.2D 6.2E 6.3D 6.4A	6.7A 6.7B
	2.5: Measuring Force	6.2A 6.2B 6.2C 6.2D 6.2E 6.3E 6.4A	6.6A 6.6B	6.1A 6.1B 6.2B 6.2C 6.2D 6.2E 6.4A 6.4B	6.8B
	2.6: Relating Force and Motion	6.2A 6.2B 6.2C 6.2D 6.2E 6.3E 6.4A	6.6A 6.6B	6.1B 6.2B 6.2C 6.2D 6.2E 6.4A	6.8B
	2.7: Representing Motion Graphically	6.2C 6.2D 6.2E	6.6B	6.2D 6.2E	6.8C 6.8D
	ADD	Potential and Kinetic Energy, Gateways Grade 7, Lesson 2.3	7.8A		
	Thermal Energy transfer methods and movement				6.9A 6.9B
	Planes and pulleys, Gateways Grade 7, Lesson 2.6	7.6A			6.8E

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Understanding Earth and Space Systems, Part 1	3.2: Relating Gravity to Mass and Weight	6.2B 6.2E 6.4A	6.6A 6.13A	6.2C 6.2D 6.4A	6.8B 6.11A 6.11B
	3.3: Scale Models of the Solar System	6.2B 6.2E 6.3C 6.4A	6.5A 6.13A	6.1B 6.2C 6.2D 6.3B 6.3C 6.4A	6.11A
	3.4: Characteristics of the Solar System	6.2B 6.2E 6.3C 6.4A	6.13A	6.2C 6.2D 6.3B 6.3C	6.11A
	3.5: Space Travel	6.2A 6.2B 6.2D 6.4A	6.6A 6.13A 6.13B	6.1B 6.2B 6.2C 6.2E 6.4A	6.11C
ADD	Gravity governs solar system motion, Gateways Grade 7, Lesson 3.2 and 3.3				6.11B

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Understanding Earth and Space Systems, Part 2	4.2: The Earth's Atmosphere	6.1A 6.2B 6.2C 6.2D 6.2E 6.3D 6.4A 6.4B	6.7B 6.14C	8.1A 8.1B 8.2C 8.2D 8.2E 8.4A 8.4B	8.10B
	4.3: Air Movement in the Atmosphere	6.2B 6.2C 6.2D 6.2E 6.3D 6.4A	6.6A 6.14B	8.1A 8.1B 8.2C 8.2D 8.2E 8.3D 8.4A 8.4B	8.10A 8.10B
	4.4: The Earth's Hydrosphere	6.2B 6.2C 6.2D 6.2E 6.3C 6.3D 6.4A	6.5A 6.8B 6.9B 6.14B 6.14C	6/7.2C 6/7.2D 6/7.2E 6/7.3B 6/7.3D 6/7.4A	6.9A (Engage, Explore- Energy Transfer) 7.8C (Elaborate)
	4.5: The Earth's Lithosphere	6.1A 6.2B 6.2C 6.2D 6.2E 6.3C 6.3D 6.4A	6.6C 6.7B 6.14A	6.1A 6.1B 6.2C 6.2D 6.2E 6.3B 6.3C 6.4A 6.4B	6.10

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Add	Physical properties of minerals Structural layers of Earth, Gateways Grade 8, Lesson 4.2 Plate tectonics and geological events, Gateways Grade 7, Lesson 2.4				6.6C 6.10A 6.10D
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Understanding Living Systems, Part 1	5.2: Using a Microscope	6.1A 6.2B 6.3A 6.3D 6.3E 6.4A	6.10B	6.1A 6.2C 6.3A 6.3D 6.4A	6.12A
	5.3: Cells and Their Parts	6.1A 6.2B 6.3A 6.3D 6.3E 6.4A	6.10A 6.10B	7.1A 7.2C 7.3A 7.3D 7.4A	7.12D
	5.4: Levels of Organization in Living Systems	6.2B 6.2E	6.10A 6.10B 6.10C	7.2C 7.2D	7.12C
	5.5: Genetics and Heredity	6.2B 6.2E	6.11A 6.11B 6.11C	7.2C 7.2D	7.11C 7.14C
	5.6: Changes in Traits	6.2B 6.2E	6.11A 6.11B 6.11C	7.2C 7.2D	7.11C 7.14C
ADD	Prokaryotic, Eukaryotic Taxonomy classification Characteristics of organisms				6.12B 6.12C 6.12D

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Understanding Living Systems, Part 2	6.2: Organisms Respond to their Environment	6.1A 6.2A 6.2B 6.2C 6.2D 6.2E 6.4 A	6.12A 6.12B 6.12C	7.1A 7.1B 7.2A 7.2C 7.2D 7.2E 7.4A	7.13A 7.13B
	6.3: Interactions in Ecosystems	6.2B 6.2E	6.8B 6.8C 6.12C	6.2C 6.2D 7.2C 7.2D	6.12E (Engage) 7.5C (Explain)
	6.4: Energy Flow in Living Systems	6.2B 6.2C 6.2D 6.2E 6.4B	6.8B 6.8C 6.12C	7.2C 7.2D 7.2E	7.5B 7.5C 6.12E
Add	Levels of organization within an ecosystem				6.12F