

Gateways to Science for Grade 7
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	7.1A 7.3B		7.1A 7.4B	
	1.3: Elements and Chemical Symbols	7.2B 7.2C 7.2D 7.2E	7.7B	6.2C 6.2D 6.2E	6.5A 6.5C
	1.4: Metals and Nonmetals	7.2A 7.2B 7.2C 7.2D 7.2E 7.4A	7.7B	6.1B 6.2A 6.2C 6.2D 6.2E 6.4A 6.4B	6.6A
	1.5: Physical and Chemical Properties	7.2A 7.2B 7.2C 7.2D 7.2E 7.4A	7.7A 7.7B	6.1B 6.2B 6.2C 6.2D 6.2E 6.4A 6.4B	6.6A
	1.6: Compounds and Chemical Formulas	7.2B 7.2C 7.2D 7.2E	7.7A 7.7B 7.7C	6.2C 6.2D 6.2E 6.3B	6.5C
	1.7: Elements and Compounds in Daily Life	7.2A 7.2B 7.2C 7.2D 7.2E 7.3B 7.4A	7.7A 7.7B 7.7C	6.1B 6.2B 6.2C 6.2D 6.2E 6.4A 6.4B	6.5C
	1.8: Chemical Changes	7.2A 7.2B 7.2C 7.2D 7.2E 7.3B 7.4A	7.7A 7.7B 7.7C	6.1A 6.1B 6.2B 6.2C 6.2D 6.2E 6.4A 6.4B	6.5D

Gateways to Science for Grade 7
Texas Essential Knowledge and Skills (TEKS) Correlations



Add	Organic compounds Physical and chemical changes in digestion				7.6A 7.6B
-----	---	--	--	--	--------------

Gateways to Science for Grade 7

Texas Essential Knowledge and Skills (TEKS) Correlations



Gateways to Science		TEKS		2010 TEKS	
Unit	Lesson	Process	Content	Process	Content
Understanding Energy, Forces, and Motion	2.2: Energy Transformations	7.2B 7.2C 7.2D	7.8A	7.1B 7.2C 7.2E	7.7B
	2.3: Potential and Kinetic Energy	7.2A 7.2B 7.2C 7.2D 7.2E 7.4A	7.8A	6.1B 6.2B 6.2C 6.2D 6.2E 6.4A	6.8A
	2.4: Internal Forces that Change the Earth	7.2B 7.2C 7.2D 7.2E 7.3C	7.5A 7.8A	6.2C 6.2D 6.2E 6.3B	6.10D
	2.5: Forces Affecting Living Processes	7.2B 7.2C 7.2D 7.2E 7.4A	7.5A 7.6C 7.11A 7.11B	7.2C 7.2D 7.2E 7.4A	7.7C
	2.6: Simple Machines and Work	7.2B 7.2C 7.2D 7.2E 7.4A	7.6A	6/7.1 B 6/7.2 C 6/7.2 D 6/7.2 E 6/7.4 A	6.8E [Explore] 7.7A [Elaborate]
Add	Forces that affect motion (turgor pressure), Gateways Grade 8, Lesson 6.3 Flow of energy through living systems, Gateways Grade 6, Lesson 6.3 and 6.4; Grade8, Lesson 5.5 Energy Transformations in Organisms				7.7C 7.5C 7.5B 7.7B

Gateways to Science for Grade 7
Texas Essential Knowledge and Skills (TEKS) Correlations



Gateways to Science		TEKS		2010 TEKS	
Unit	Lesson	Process	Content	Process	Content
Understanding Earth and Space Systems, Part 1	3.2: Inertia and Gravity	7.2B 7.2C 7.2D 7.2E 7.3D 7.3E	7.6B 7.13A	6.2C 6.2D 6.2E 6.3D	6.11A 6.11B
	3.3: Elliptical Orbits	7.2B 7.2C 7.2D 7.2E 7.3C 7.3D 7.3E	7.6B 7.13A	6.2C 6.2D 6.2E 6.3B 6.3C 6.3D	6.11B
	3.4: Day and Night	7.2B 7.2C 7.2D 7.2E 7.3C 7.3D 7.3E	7.13A	8.2C 8.2D 8.2E 8.3B 8.3C 8.3D	8.7A
	3.5: Seasons	7.2 B 7.2 C 7.2 D 7.2 E 7.3 A 7.3 C 7.3 D 7.3 E	7.13 A	8.2C 8.2D 8.2E 8.3A 8.3B 8.3C 8.3D	8.7A
	3.6: Moon Phases	7.2B 7.2C 7.2D 7.2E 7.3C	7.13B	8.2C 8.2D 8.2E 8.3B 8.3C	8.7B
Add	Characteristics of life existence in solar system				7.9A 7.9B

Gateways to Science for Grade 7

Texas Essential Knowledge and Skills (TEKS) Correlations



Gateways to Science		TEKS		2010 TEKS	
Unit	Lesson	Process	Content	Process	Content
Understanding Earth and Space Systems, Part 2	4.2: Mechanical and Chemical Weathering Add effects on Texas ecoregions, Science Academy Lesson, Grade 7	7.2A 7.2B 7.2C 7.2D 7.2E 7.3B 7.4A	7.14B	7.1B 7.2C 7.2D 7.2E 7.3B 7.3C 7.4A 7.4B	7.8B
	4.3: Erosion and Deposition Add effects on Texas ecoregions, Science Academy Lesson, Grade 7	7.2A 7.2B 7.2C 7.2D 7.2E 7.3A 7.3B 7.4A	7.8A 7.14B	7.1B 7.2B 7.2C 7.2D 7.2E 7.3B 7.3C 7.4A	7.8B
	4.4: Rivers	7.2B 7.2C 7.2D 7.2E 7.3B 7.4A	7.8A 7.14B 7.14C	7.1B 7.2C 7.2D 7.2E	7.8C
	4.5: Soil Formation Observe eco succession Add microhabitats	7.2B 7.2C 7.2D 7.2E 7.4B	7.5B 7.12D 7.14B 7.14C	7.2C 7.2D 7.2E	7.10D [eco succession]
	4.6: Earth's Biomes	7.2B 7.2C 7.2D	7.12A 7.12B 7.12C	7.2C 7.2E	7.10A 7.10B
	4.7: Altering Earth's Systems	7.2B 7.2C 7.2D 7.3D 7.3E	7.12A 7.12B 7.12C 7.14A	7.2C 7.2E 7.3D	7.8A 7.10B
Add	Ground and surface water, Gateways Grade 6, Lesson 4.4				7.8C

Gateways to Science for Grade 7
Texas Essential Knowledge and Skills (TEKS) Correlations



Gateways to Science		TEKS		2010 TEKS	
Unit	Lesson	Process	Content	Process	Content
Understanding Living Systems, Part 1	5.2: Structure and Function in Living Systems	7.1A 7.2B 7.4A	7.9A	7.1A 7.1B 7.2C 7.2E 7.4A 7.4B	7.12D
	5.3: Photosynthesis	7.2B 7.3C 7.4A	7.8B 7.11B	7.1A 7.1B 7.2A 7.2C 7.2D 7.3B 7.3C 7.4A 7.4B	7.5A 7.7B 7.13A 7.13B
	5.4: Asexual and Sexual Reproduction	7.2B 7.2D 7.3C 7.4A	7.10A	7.2C 7.2E 7.3B 7.4A	7.14B
	5.5: Genetics and Heredity	7.2B 7.2E 7.4A	7.10B 7.10C	7.2C 7.2D 7.4A	7.11B [Elaborate]
Add	Cells, Gateway, Grade 6, Lesson 5.3				7.12D
	Levels of organization, Gateways Grade 6, Lesson 5.4				7.12C
	Natural selection and selective breeding, Gateways Grade 6, Lessons 5.5 and 5.6; Grade 8, Lesson 5.4				7.11C

Gateways to Science for Grade 7
Texas Essential Knowledge and Skills (TEKS) Correlations



Gateways to Science		TEKS		2010 TEKS	
Unit	Lesson	Process	Content	Process	Content
Understanding Living Systems, Part 2	6.2: Structures of the Human Body	7.1A 7.2D 7.3C	7.9A 7.9B	7.1A 7.1B 7.2E 7.3B	7.12B 7.12C
	6.3: Respiratory and Circulatory Systems	7.1A 7.2D 7.3C	7.9A 7.9B	7.1A 7.1B 7.2E 7.3B 7.3C	7.12B 7.13B
	6.4: Other Body Systems	7.1A 7.2D 7.3C	7.9A 7.9B 7.11B	7.1A 7.1B 7.2E 7.3B 7.3C	7.12A 7.13B
Add	Function of cell to function of organism Structures vs. function, Gateways 8, Lesson 6.3 Response to internal and external stimuli in organisms, Gateways Grade 6, Lesson 6.2; Grade 8, Lesson 6.2 Dichotomous key				7.12E 7.12B 7.13A 7.13B 7.11A