

Texas Essential Knowledge and Skills
correlated to Reading Essentials in Science
Perfection Learning Corporation

Grade 7	TEKS	Earthquakes	Floods	Tornadoes	Hurricanes	Volcanoes	Seasons and Patterns	Erosion	Natural Disasters	Records and Oddities	Forecasting	Mysteries in Space: Cosmic Puzzles	Inside a Star	Lights in the Sky	Are We Alone? The Case for Extraterrestrial Life	Telescopes: Exploring the Beyond
Science concepts Continued																
7.9	The student knows the relationship between structure and function in living systems.															
7.10	The student knows that species can change through generations and that the instructions for traits are contained in the genetic material of the organisms.															
7.11	The student knows that the responses of organisms are caused by internal or external stimuli.															
7.12	The student knows that there is a relationship between organisms and the environment.															
7.13	The student knows components of our solar system.						X					X				
7.14	The student knows that natural events and human activity can alter Earth systems.	X	X	X	X	X	X	X	X	X						

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Grade 7	TEKS	Fossils	Geological Time	Rocks and Minerals	Sedimentary Rocks	The Water Cycle	Deserts	Oceans	Tropical Rain Forests	Mountains	Rivers	Classifying Plants and Animals	Food Chains and Webs	How Plants Grow	Life Cycles of Plants and Animals	Under a Microscope: Small Life
Scientific processes																
	7.1 The student conducts field and laboratory investigations using safe, environmentally appropriate, and ethical practices.	X	X	X	X	X						X	X	X	X	X
	7.2 The student uses scientific inquiry methods during field and laboratory investigations.	X	X	X	X	X						X	X	X	X	X
	7.3 The student uses critical thinking and scientific problem solving to make informed decisions.	X	X	X	X	X						X	X	X	X	X
	7.4 The student knows how to use tools and methods to conduct science inquiry.															
Science concepts																
	7.5 The student knows that an equilibrium of a system may change.												X			
	7.6 The student knows that there is a relationship between force and motion.															
	7.7 The student knows that substances have physical and chemical properties.			X												
	7.8 The student knows that complex interactions occur between matter and energy.													X		

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Grade 7	TEKS	The Circulatory System	The Digestive System	The Nervous System	The Respiratory System	The Skeletal and Muscular Systems	Adaptation and Survival	Cells	Genetics	Populations and Ecosystems	Staying Alive: regulation and Behavior	Sound	Light	Electricity and Magnetism	Motion	Heat
Scientific processes																
	7.1 The student conducts field and laboratory investigations using safe, environmentally appropriate, and ethical practices.															
	7.2 The student uses scientific inquiry methods during field and laboratory investigations.															
	7.3 The student uses critical thinking and scientific problem solving to make informed decisions.															
	7.4 The student knows how to use tools and methods to conduct science inquiry.													X		
Science concepts																
	7.5 The student knows that an equilibrium of a system may change.									X	X					
	7.6 The student knows that there is a relationship between force and motion.														X	
	7.7 The student knows that substances have physical and chemical properties.															
	7.8 The student knows that complex interactions occur between matter and energy.									X					X	

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Grade 7	TEKS	Acids and Bases	Atoms, Molecules, and Compounds	Chemical Energy	Chemical Reactions	Mixtures and Solutions	Global Warming	Habitat Destruction	Energy Sources	Keeping Our Food and Water Safe	Waste and Consumption
Scientific processes											
	7.1 The student conducts field and laboratory investigations using safe, environmentally appropriate, and ethical practices.	X	X	X	X	X					
	7.2 The student uses scientific inquiry methods during field and laboratory investigations.	X	X	X	X	X					
	7.3 The student uses critical thinking and scientific problem solving to make informed decisions.	X	X	X	X	X					
	7.4 The student knows how to use tools and methods to conduct science inquiry.										
Science concepts											
	7.5 The student knows that an equilibrium of a system may change.										
	7.6 The student knows that there is a relationship between force and motion.										
	7.7 The student knows that substances have physical and chemical properties.		X		X	X					
	7.8 The student knows that complex interactions occur between matter and energy.			X							

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Science concepts Continued											
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7.12	The student knows that there is a relationship between organisms and the environment.							X			
7.13	The student knows components of our solar system.										
7.14	The student knows that natural events and human activity can alter Earth systems.						X	X	X	X	X