

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

Grade 8	TEKS	Are We Alone? The Case for Extraterrestrial Life	Inside a Star	Lights in the Sky	Mysteries in Space: Cosmic Puzzles	Telescopes: Exploring the Beyond	Fossils	Geological Time	Rocks and Minerals	Sedimentary Rocks	The Water Cycle	Adaptation and Survival	Cells	Genetics	Populations and Ecosystems	Staying Alive: regulation and Behavior
Scientific processes																
8.1	The student conducts field and laboratory investigations using safe, environmentally appropriate, and ethical practices.															
8.2	The student uses scientific inquiry methods during field and laboratory investigations.															
8.3	The student uses critical thinking and scientific problem solving to make informed decisions.															
8.4	The student knows how to use a variety of tools and methods to conduct science inquiry.				X											
8.5	The student knows that relationships exist between science and technology.															

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

Grade 8	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											
8.1	The student conducts field and laboratory investigations using safe, environmentally appropriate, and ethical practices.	X	X	X	X	X					
8.2	The student uses scientific inquiry methods during field and laboratory investigations.	X	X	X	X	X					
8.3	The student uses critical thinking and scientific problem solving to make informed decisions.	X	X	X	X	X					
8.4	The student knows how to use a variety of tools and methods to conduct science inquiry.			X							
8.5	The student knows that relationships exist between science and technology.	X	X	X	X	X					

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

Grade 8	TEKS	Are We Alone? The Case for Extraterrestrial Life	Inside a Star	Lights in the Sky	Mysteries in Space: Cosmic Puzzles	Telescopes: Exploring the Beyond	Fossils	Geological Time	Rocks and Minerals	Sedimentary Rocks	The Water Cycle	Adaptation and Survival	Cells	Genetics	Populations and Ecosystems	Staying Alive: regulation and Behavior
Science concepts																
8.6	The student knows that interdependence occurs among living systems.														X	
8.7	The student knows that there is a relationship between force and motion.															
8.8	The student knows that matter is composed of atoms.															
8.9	The student knows that substances have chemical and physical properties.															
8.10	The student knows that complex interactions occur between matter and energy.														X	
8.11	The student knows that traits of species can change through generations and that the instructions for traits are contained in the genetic material of the organisms.											X				X
8.12	The student knows that cycles exist in Earth systems.								X	X	X					

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

Grade 8	TEKS	Are We Alone? The Case for Extraterrestrial Life	Inside a Star	Lights in the Sky	Mysteries in Space: Cosmic Puzzles	Telescopes: Exploring the Beyond	Fossils	Geological Time	Rocks and Minerals	Sedimentary Rocks	The Water Cycle	Adaptation and Survival	Cells	Genetics	Populations and Ecosystems	Staying Alive: regulation and Behavior
8.13	The student knows characteristics of the universe.		X	X	X											
8.14	The student knows that natural events and human activities can alter Earth systems.						X	X	X	X						