

7th grade Science TEKS
PLT Places We Live Correlation

Seventh Grade Science TEKS Correlations	Activity 1 - Personal Places	Activity 2 - Community Character	Activity 3 - Mapping Your Community through Time	Activity 4 - Neighborhood Design	Activity 5 - Green Space	Activity 6 - A Vision for the Future	Activity 7 - Far-F De
(1) Scientific processes. The student conducts field and laboratory investigations using safe, environmentally appropriate, and ethical practices							
(1A) demonstrate safe practices during field and laboratory investigations		X	X	X	X		
(2) Scientific processes. The student uses scientific methods during field and laboratory investigations							
(2A) plan and implement investigative procedures including asking questions, formulating testable hypotheses, and selecting equipment and technology		X	X	X	X		
(2B) collect data by observing and measuring		X	X	X	X		
(2C) organize, analyze, make inferences, and predict trends from direct and indirect evidence	X	X	X	X	X	X	X
(3) Scientific processes. The student uses critical thinking and scientific problem solving to make informed decisions							
(3A) analyze, review, and critique scientific explanations, including hypotheses and theories, as to their strengths and weaknesses using scientific evidence and information			X	X	X		

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(5B) observe and describe the role of ecological succession in maintaining an equilibrium in an ecosystem			X	X	X		
(12) Science concepts. The student knows that there is a relationship between organisms and the environment							
(12A) identify components of an ecosystem	X	X	X	X	X	X	X
(12B) observe and describe how organisms including producers, consumers, and decomposers live together in an environment and use existing resources			X	X	X	X	X
(12C) describe how different environments support different varieties of organisms	X		X	X	X	X	X
(12D) observe and describe the role of ecological succession in ecosystems			X	X	X		
(14) Science concepts. The student knows that natural events and human activity can alter Earth systems							
(14C) make inferences and draw conclusions about effects of human activity on Earth's renewable, non-renewable, and inexhaustible resources	X		X	X	X	X	X

Texas 8th grade Science TEKS
PLT Places We Live Correlation

Eighth Grade Science TEKS Correlations	Activity 1 - Personal Places	Activity 2 - Community Character	Activity 3 - Mapping Your Community through Time	Activity 4 - Neighborhood Design	Activity 5 - Green Space	Activity 6 - A Vision for the Future	Activity 7 - Far-Rear Decisive Activit
(1) Scientific processes. The student conducts field and laboratory investigations using safe, environmentally appropriate, and ethical practices							
(1A) demonstrate safe practices during field and laboratory investigations	X	X	X	X	X		
(2) Scientific processes. The student uses scientific inquiry methods during field and laboratory investigations. The student is expected to							
(2A) plan and implement investigative procedures including asking questions, formulating testable hypotheses, and selecting and using equipment and technology	X	X	X	X	X		
(2B) collect data by observing and measuring	X	X	X	X	X		
(2C) organize, analyze, make inferences, and predict trends from direct and indirect evidence		X	X	X	X	X	X
(2D) communicate valid conclusions		X	X	X	X	X	X
(2E) construct graphs, tables, maps, and charts using tools including computers to organize, examine, and evaluate data	X	X	X	X	X	X	

Texas 8th grade Science TEKS
PLT Places We Live Correlation

Eighth Grade Science TEKS Correlations	Activity 1 - Personal Places	Activity 2 - Community Character	Activity 3 - Mapping Your Community through Time	Activity 4 - Neighborhood Design	Activity 5 - Green Space	Activity 6 - A Vision for the Future	Activity 7 - Far-Rear Decisive	Activi
(3) Scientific processes. The student uses critical thinking and scientific problem solving to make informed decisions								
(3A) analyze, review, and critique scientific explanations, including hypotheses and theories, as to their strengths and weaknesses using scientific evidence and information		X	X	X				
(3C) represent the natural world using models and identify their limitations	X	X	X	X	X			
(3D) evaluate the impact of research on scientific thought, society, and the environment	X	X	X	X	X	X	X	
(4) Scientific processes. The student knows how to use a variety of tools and methods to conduct science inquiry.								
(4A) collect, record, and analyze information using tools including beakers, petri dishes, meter sticks, graduated cylinders, weather instruments, hot plates, dissecting equipment, test tubes, safety goggles, spring scales, balances, microscopes, telescopes, thermometers, calculators, field equipment, computers, computer probes, water test kits, and timing devices	X	X	X	X	X			

Texas 8th grade Science TEKS
 PLT Places We Live Correlation

Eighth Grade Science TEKS Correlations	Activity 1 - Personal Places	Activity 2 - Community Character	Activity 3 - Mapping Your Community through Time	Activity 4 - Neighborhood Design	Activity 5 - Green Space	Activity 6 - A Vision for the Future	Activity 7 - Far-Rear Decisions	Activity 8 - Far-Rear Decisions
(12) Science concepts. The student knows that cycles exist in Earth systems								
(12C) predict the results of modifying the Earth's nitrogen, water, and carbon cycles		X	X	X	X	X	X	X
(14) Science concepts. The student knows that natural events and human activities can alter Earth systems								
(14C) describe how human activities have modified soil, water, and air quality	X	X	X	X	X	X	X	X

Texas - Aquatic Science TEKS
PLT Places We Live Correlation

Aquatic Science TEKS Correlations	Activity 1 - Personal Places	Activity 2 - Community Character	Activity 3 - Mapping Your Community through Time	Activity 4 - Neighborhood Design	Activity 5 - Green Space	Activity 6 - A Vision for the Future	Activity 7 - Far
(3) Scientific processes. The student uses critical thinking and scientific problem solving to make informed decisions							
(3A) analyze, review, and critique scientific explanations, including hypotheses and theories, as to their strengths and weaknesses using scientific evidence and information			X	X	X		
(3C) evaluate the impact of research on scientific thought, society, and the environment	X	X	X	X	X	X	X
(3D) describe connections between aquatic science and future careers			X	X	X	X	X
(4) Science concepts. The student knows the components of aquatic ecosystems.							
(4A) differentiate among freshwater, brackish, and saltwater ecosystems			X	X	X		
(4B) research and identify biological, chemical, geological, and physical components of an aquatic ecosystem						X	X
(5) Science concepts. The student knows the relationships within and among the aquatic habitats and ecosystems in an aquatic environment							

Texas - Aquatic Science TEKS PLT Places We Live Correlation

Aquatic Science TEKS Correlations	Activity 1 - Personal Places	Activity 2 - Community Character	Activity 3 - Mapping Your Community through Time	Activity 4 - Neighborhood Design	Activity 5 - Green Space	Activity 6 - A Vision for the Future	Activity 7 - Far
(5C) identify the interdependence of organisms in an aquatic environment such as a pond, river, lake, ocean, or aquifer, and the biosphere	X		X	X		X	X
(5D) evaluate trends in data to determine the factors that impact aquatic ecosystems	X	X	X	X		X	X
(6) Science concepts. The student knows the roles of cycles in an aquatic environment							
(6C) collect and evaluate global environmental data using technology		X	X	X	X	X	X
(8) Science concepts. The student knows that aquatic environments change							
(8A) predict effects of chemical, organic, physical, and thermal changes on the living and nonliving components of an aquatic ecosystem			X	X	X	X	X
(8B) analyze the cumulative impact of natural and human influence on an aquatic system	X	X	X	X	X	X	X
(8C) identify and describe a local or global issue affecting an aquatic system	X	X	X	X		X	
(8D) analyze and discuss human influences on an aquatic environment including fishing, transportation, and recreation	X	X	X	X	X	X	X
(10) Science concepts. The student knows the origin and use of water in a watershed							

Texas - Aquatic Science TEKS
PLT Places We Live Correlation

Aquatic Science TEKS Correlations	Activity 1 - Personal Places	Activity 2 - Community Character	Activity 3 - Mapping Your Community through Time	Activity 4 - Neighborhood Design	Activity 5 - Green Space	Activity 6 - A Vision for the Future	Activity 7 - Far	
(10A) identify sources and determine the amounts of water in a watershed including groundwater and surface water			X	X	X		X	X
(10B) research and identify the types of uses and volumes of water used in a watershed			X	X	X		X	X
(10C) identify water quantity and quality in a local watershed.			X	X	X			X

Texas - Biology Science TEKS PLT Places We Live Correlation

Biology Science TEKS Correlations	Activity 1 - Personal Places	Activity 2 - Community Character	Activity 3 - Mapping Your Community through Time	Activity 4 - Neighborhood Design	Activity 5 - Green Space	Activity 6 - A Vision for the Future	Activity 7 -
(1) Scientific processes. The student, for at least 40% of instructional time, conducts field and laboratory investigations using safe, environmentally appropriate, and ethical practices.							
(1A) demonstrate safe practices during field and laboratory investigations	X	X	X	X	X		
(2) Scientific processes. The student uses scientific methods during field and laboratory investigations							
(2A) plan and implement investigative procedures including asking questions, formulating testable hypotheses, and selecting equipment and technology	X	X	X	X	X		
(2B) collect data and make measurements with precision	X	X	X	X			
(C) organize, analyze, evaluate, make inferences, and predict trends from data		X	X	X	X	X	
(2D) communicate valid conclusions	X	X	X	X	X	X	X

Texas - Biology Science TEKS
PLT Places We Live Correlation

Biology Science TEKS Correlations	Activity 1 - Personal Places	Activity 2 - Community Character	Activity 3 - Mapping Your Community through Time	Activity 4 - Neighborhood Design	Activity 5 - Green Space	Activity 6 - A Vision for the Future	Activity 7 -
(3) Scientific processes. The student uses critical thinking and scientific problem solving to make informed decisions							
(3A) analyze, review, and critique scientific explanations, including hypotheses and theories, as to their strengths and weaknesses using scientific evidence and information			X	X	X		
(3C) evaluate the impact of research on scientific thought, society, and the environment	X	X	X	X	X	X	X
(3D) describe connections between biology and future careers			X	X	X	X	X
(3E) evaluate models according to their adequacy in representing biological objects or events				X		X	X
(3F) research and describe the history of biology and contributions of scientists		X	X	X	X	X	X
(11) Science concepts. The student knows that organisms maintain homeostasis							
(11C) analyze the importance of nutrition, environmental conditions, and physical exercise on health		X	X	X	X		X

Texas - Biology Science TEKS
 PLT Places We Live Correlation

Biology Science TEKS Correlations	Activity 1 - Personal Places	Activity 2 - Community Character	Activity 3 - Mapping Your Community through Time	Activity 4 - Neighborhood Design	Activity 5 - Green Space	Activity 6 - A Vision for the Future	Activity 7 -
(12) Science concepts. The student knows that interdependence and interactions occur within an ecosystem							
(12D) identify and illustrate that long-term survival of species is dependent on a resource base that may be limited		X	X	X		X)
(13) Science concepts. The student knows the significance of plants in the environment							
(13A) evaluate the significance of structural and physiological adaptations of plants to their environments		X		X		X)

Texas - Chemistry Science TEKS
PLT Places We Live Correlation

Chemistry Science TEKS Correlations	Activity 1 - Personal Places	Activity 2 - Community Character	Activity 3 - Mapping Your Community through Time	Activity 4 - Neighborhood Design	Activity 5 - Green Space	Activity 6 - A Vision for the Future	Activity 7 - r
(1) Scientific processes. The student, for at least 40% of instructional time, conducts field and laboratory investigations using safe, environmentally appropriate, and ethical practices.							
(1A) demonstrate safe practices during field and laboratory investigations	X	X	X	X	X		
(2) Scientific processes. The student uses scientific methods during field and laboratory investigations							
(2A) plan and implement investigative procedures including asking questions, formulating testable hypotheses, and selecting equipment and technology		X	X	X	X		
(2B) collect data and make measurements with precision		X	X	X	X		
(2D) organize, analyze, evaluate, make inferences, and predict trends from data		X	X	X	X	X	
(2E) communicate valid conclusions		X	X	X	X	X	X
(3) Scientific processes. The student uses critical thinking and scientific problem solving to make informed decisions							

Texas - Chemistry Science TEKS
 PLT Places We Live Correlation

Chemistry Science TEKS Correlations	Activity 1 - Personal Places	Activity 2 - Community Character	Activity 3 - Mapping Your Community through Time	Activity 4 - Neighborhood Design	Activity 5 - Green Space	Activity 6 - A Vision for the Future	Activity 7 - r
(3A) analyze, review, and critique scientific explanations, including hypotheses and theories, as to their strengths and weaknesses using scientific evidence and information			X	X	X		
(3B) make responsible choices in selecting everyday products and services using scientific information						X	X
(3C) evaluate the impact of research on scientific thought, society, and the environment	X	X	X	X	X	X	X
(3D) describe the connection between chemistry and future careers		X	X	X	X	X	X
(3E) research and describe the history of chemistry and contributions of scientists						X	X
(14) Science concepts. The student knows the properties and behavior of acids and bases. The student is expected to							
(14D) describe effects of acids and bases on an ecological system						X	X

Texas - Environmental Systems Science TEKS PLT Places We Live Correlation

Environmental Systems Science TEKS Correlations	Activity 1 - Personal Places	Activity 2 - Community Character	Activity 3 - Mapping Your Community through Time	Activity 4 - Neighborhood Design	Activity 5 - Green Space	Activity 6 - A Vision for a Future	Activity 7 - r
(1) Scientific processes. The student, for at least 40% of instructional time, conducts field and laboratory investigations using safe, environmentally appropriate, and ethical practices.							
(1A) demonstrate safe practices during field and laboratory investigations	X	X	X	X			
(2) Scientific processes. The student uses scientific methods during field and laboratory investigations							
(2A) plan and implement investigative procedures including asking questions, formulating testable hypotheses, and selecting equipment and technology	X	X	X	X			
(2B) collect data and make measurements with precision	X	X	X	X			
(2C) organize, analyze, evaluate, make inferences, and predict trends from data	X	X	X	X		X	
(2D) communicate valid conclusions.	X	X	X	X		X	>
(3) Scientific processes. The student uses critical thinking and scientific problem solving to make informed decisions							

Texas - Environmental Systems Science TEKS PLT Places We Live Correlation

Environmental Systems Science TEKS Correlations		Activity 1 - Personal Places	Activity 2 - Community Character	Activity 3 - Mapping Your Community through Time	Activity 4 - Neighborhood Design	Activity 5 - Green Space	Activity 6 - A Vision for + Future	Activity 7 - + r
(3A) analyze, review, and critique scientific explanations, including hypotheses and theories, as to their strengths and weaknesses using scientific evidence and information			X	X	X			
(3B) make responsible choices in selecting everyday products and services using scientific information							X	>
(3C) evaluate the impact of research on scientific thought, society, and the environment		X	X	X	X	X	X	>
(3D) describe the connection between environmental science and future careers	X	X	X	X	X	X	X	>
(3E) research and describe the history of environmental science and contributions of scientists		X	X	X	X	X	X	>
(4) Science concepts. The student knows the relationships of biotic and abiotic factors within habitats, ecosystems, and biomes.								
(4A) identify indigenous plants and animals, assess their role within an ecosystem, and compare them to plants and animals in other ecosystems and biomes			X	X	X			

Texas - Environmental Systems Science TEKS
PLT Places We Live Correlation

Environmental Systems Science TEKS Correlations	Activity 1 - Personal Places	Activity 2 - Community Character	Activity 3 - Mapping Your Community through Time	Activity 4 - Neighborhood Design	Activity 5 - Green Space	Activity 6 - A Vision for + Future	Activity 7 - +	
(4B) make observations and compile data about fluctuations in abiotic cycles and evaluate the effects of abiotic factors on local ecosystems and biomes			X		X		X	>
(4C) evaluate the impact of human activity such as methods of pest control, hydroponics, organic gardening, or farming on ecosystems	X	X	X		X	X	X	>
(4D) predict how the introduction, removal, or reintroduction of an organism may alter the food chain and affect existing populations					X	X	X	>
(4E) predict changes that may occur in an ecosystem if biodiversity is increased or reduced	X	X	X	X	X	X	X	>
(5) Science concepts. The student knows the interrelationships among the resources within the local environmental system.								
(5A) summarize methods of land use and management		X	X	X	X	X	X	>
(5B) identify source, use, quality, and conservation of water			X	X	X	X	X	>
(5C) document the use and conservation of both renewable and non-renewable resources				X	X	X	X	>

Texas - Environmental Systems Science TEKS
PLT Places We Live Correlation

Environmental Systems Science TEKS Correlations	Activity 1 - Personal Places		Activity 2 - Community Character		Activity 3 - Mapping Your Community through Time		Activity 4 - Neighborhood Design		Activity 5 - Green Space		Activity 6 - A Vision for + Future		Activity 7 - +	
(5D) identify renewable and non-renewable resources that must come from outside an ecosystem such as food, water, lumber, and energy		X			X	X	X	X	X	X				>
(5E) analyze and evaluate the economic significance and interdependence of components of the environmental system	X				X	X	X	X	X	X				>
(5F) evaluate the impact of human activity and technology on land fertility and aquatic viability		X	X		X	X	X	X	X	X				>
(6) Science concepts. The student knows the sources and flow of energy through an environmental system.														
(6A) summarize forms and sources of energy										X				
(6B) explain the flow of energy in an ecosystem										X				
(6C) investigate and explain the effects of energy transformations within an ecosystem										X				
(6D) investigate and identify energy interactions in an ecosystem										X				
(7) Science concepts. The student knows the relationship between carrying capacity and changes in populations and ecosystems.														
(7A) relate carrying capacity to population dynamics	X	X	X		X	X	X	X	X	X				>

Geology, Meteorology, Oceanography Science TEKS
PLT Places We Live

Geology, Meteorology, Oceanography Science TEKS Correlations	Activity 1 - Personal Places	Activity 2 - Community Character	Activity 3 - Mapping Your Community through Time	Activity 4 - Neighborhood Design	Activity 5 - Green Space	Activity 6 - A Vision for Future	Activity 7 -
(3) Scientific processes. The student uses critical thinking and scientific problem solving to make informed decisions							
(3A) analyze, review, and critique scientific explanations, including hypotheses and theories, as to their strengths and weaknesses using scientific evidence and information				X	X		X
(3B) draw inferences based on data related to promotional materials for products and services							X
(3C) evaluate the impact of research on scientific thought, society, and the environment	X	X	X	X	X	X	X
(3D) describe the connections between geology, meteorology, oceanography, and future careers			X	X	X	X	X
(3E) research and describe the history of geology, meteorology, oceanography, and contributions of scientists					X	X	X
(4) Science concepts. The student knows the Earth's unique characteristics and conditions.							
(4B) analyze conditions on Earth that enable organisms to survive	X			X	X	X	X

Geology, Meteorology, Oceanography Science TEKS PLT Places We Live

Geology, Meteorology, Oceanography Science TEKS Correlations	Activity 1 - Personal Places	Activity 2 - Community Character	Activity 3 - Mapping Your Community through Time	Activity 4 - Neighborhood Design	Activity 5 - Green Space	Activity 6 - A Vision for a Future	Activity 7 -
(9) Science concepts. The student knows the role of natural energy resources.							
(9B) analyze issues regarding the use of fossil fuels and other renewable, non-renewable, or alternative energy resources				X	X	X	X
(9C) analyze the significance and economic impact of the use of fossil fuels and alternative energy resources				X	X	X	X
(10) Science concepts. The student knows the interactions that occur in a watershed.							
(10A) identify the characteristics of a local watershed such as average annual rainfall, run-off patterns, aquifers, locations of river basins, and surface water reservoirs			X	X	X	X	
(10B) analyze the impact of floods, droughts, irrigation, and industrialization on a watershed			X	X	X	X	X
(10C) describe the importance and sources of surface and subsurface water			X	X	X	X	X
(12) Science concepts. The student knows the characteristics of the atmosphere.							

Geology, Meteorology, Oceanography Science TEKS PLT Places We Live

Geology, Meteorology, Oceanography Science TEKS Correlations	Activity 1 - Personal Places	Activity 2 - Community Character	Activity 3 - Mapping Your Community through Time	Activity 4 - Neighborhood Design	Activity 5 - Green Space	Activity 6 - A Vision for a Future	Activity 7 -
(12A) identify the atmosphere as a mixture of gases, water vapor, and particulate matter						X	
(12B) analyze the range of atmospheric conditions that organisms will tolerate including types of gases, temperature, particulate matter, and moisture						X)
(12C) determine the impact on the atmosphere of natural events and human activity			X	X	X	X)
(13) Science concepts. The student knows the role of energy in governing weather and climate.							
(13B) identify, describe, and compare climatic zones						X	

Texas - IPC Science TEKS
PLT Places We Live Correlation

Integrated Physics & Chemistry Science TEKS Correlations	Activity 1 - Personal Places	Activity 2 - Community Character	Activity 3 - Mapping Your Community through Time	Activity 4 - Neighborhood Design	Activity 5 - Green Space	Activity 6 - A Vision for + Future	Activity 7 - -
(3) Scientific processes. The student uses critical thinking and scientific problem solving to make informed decisions							
(3A) analyze, review, and critique scientific explanations, including hypotheses and theories, as to their strengths and weaknesses using scientific evidence and information			X	X	X		
(3C) evaluate the impact of research on scientific thought, society, and the environment		X	X	X	X	X)
(3D) describe connections between physics and chemistry, and future careers			X		X	X)
(8) Science concepts. The student knows that changes in matter affect everyday life.							
(8E) research and describe the environmental and economic impact of the end-products of chemical reactions				X	X	X	X)

Texas - Physics Science TEKS
PLT Places We Live Correlation

Physics Science TEKS Correlations	Activity 1 - Personal Places	Activity 2 - Community Character	Activity 3 - Mapping Your Community through Time	Activity 4 - Neighborhood Design	Activity 5 - Green Space	Activity 6 - A Vision for the Future	Activity 7 - r
(1) Scientific processes. The student, for at least 40% of instructional time, conducts field and laboratory investigations using safe, environmentally appropriate, and ethical practices.							
(1A) demonstrate safe practices during field and laboratory investigations	X	X	X	X	X		
(2) Scientific processes. The student uses scientific methods during field and laboratory investigations							
(2A) plan and implement investigative procedures including asking questions, formulating testable hypotheses, and selecting equipment and technology		X	X	X			
(2B) make quantitative observations and measurements with precision				X	X		
(2C) organize, analyze, evaluate, make inferences, and predict trends from data		X	X	X	X	X	
(2D) communicate valid conclusions		X	X	X	X	X	

Texas - Physics Science TEKS
PLT Places We Live Correlation

Physics Science TEKS Correlations	Activity 1 - Personal Places	Activity 2 - Community Character	Activity 3 - Mapping Your Community through Time	Activity 4 - Neighborhood Design	Activity 5 - Green Space	Activity 6 - A Vision for the Future	Activity 7 - r
(3) Scientific processes. The student uses critical thinking and scientific problem solving to make informed decisions							
(3A) analyze, review, and critique scientific explanations, including hypotheses and theories, as to their strengths and weaknesses using scientific evidence and information			X	X	X		
(3C) evaluate the impact of research on scientific thought, society, and the environment		X	X	X	X	X	>
(3D) describe the connection between physics and future careers			X				