

PROJECT LEARNING TREE
Energy and Society
7th grade
Correlation to the Texas Essential Knowledge and Skills

Students are expected to:	Activity
Language Arts	
7.17D produce a multimedia presentation involving text and graphics using available technology	2
7.28A participate productively in discussions, plan agendas with clear goals and deadlines, set time limits for speakers, take notes, and vote on key issues	2
Math	
7.13A identify and apply mathematics to everyday experiences, to activities in and outside of school, with other disciplines, and with other mathematical topics	5
Science	
7.2B design and implement experimental investigations by making observations, asking well-defined questions, formulating testable hypotheses, and using appropriate equipment and technology	5
7.2C collect and record data using the International System of Units (SI) and qualitative means such as labeled drawings, writing, and graphic organizers	1
7.5A recognize that radiant energy from the Sun is transferred into chemical energy through the process of photosynthesis	3
7.7B illustrate the transformation of energy within an organism such as the transfer from chemical energy to heat and thermal energy in digestion	3
Social Studies	
7.9C analyze the effects of physical and human factors such as climate, weather, landforms, irrigation, transportation, and communication on major events in Texas	4
7.12B trace the development of major industries that contributed to the urbanization of Texas such as transportation, oil and gas and manufacturing	4
7.20D evaluate the effects of scientific discoveries and technological innovations on the use of resources such as fossil fuels, water and land	2