

PROJECT LEARNING TREE

Energy and Society

5th grade

Correlation to the Texas Essential Knowledge and Skills

Students are expected to:	Activity
Language Arts	
5.29A participate in student-led discussions by eliciting and considering suggestions from other group members and by identifying points of agreement and disagreement	2
Math	
5.14A identify the mathematics in everyday situations	5
Science	
5.2B ask well-defined questions, formulate testable hypotheses, and select and use appropriate equipment and technology	5
5.2G construct appropriate simple graphs, tables, maps, and charts using technology, including computers, to organize, examine, and evaluate information	1
5.6A explore the uses of energy, including mechanical, light, thermal, electrical, and sound energy	1, 2, 3
5.6B demonstrate that the flow of electricity in circuits requires a complete path through which an electric current can pass and can produce light, heat, and sound	3
5.7A explore the processes that led to the formation of sedimentary rocks and fossil fuels	2
5.7C identify alternative energy resources such as wind, solar, hydroelectric, geothermal, and biofuels	2, 4, 5
5.8B explain how the Sun and the ocean interact in the water cycle	1
Social Studies	
5.23C explain how scientific discoveries and technological innovations in the fields of medicine, communication, and transportation have benefited individuals and society in the United States	4
5.23D predict how future scientific discoveries and technological innovations could affect society in the United States	4
5.25D create written and visual material such as journal entries, reports, graphic organizers, outlines, and bibliographies	2