

Mansfield Independent School District
Grade: 6
Unit: Energy

Instructional Unit: Energy 2nd 6 Weeks (4 weeks)				
TEKS	TAKS Objective	Concept/Skill Taught		
6.9	5	I. Energy Transformations A. Energy Production 1. Electrical energy to heat energy 2. Heat energy to electrical energy II. Energy Transformation Methods A. Water Heaters B. Cooling Systems C. Hydroelectricity D. Wind Power III. Energy Sources A. Renewable 1. Water 2. Geothermal 3. Biomass B. Nonrenewable 1. Fossil Fuels C. Inexhaustible 1. Solar 2. Wind		
Language of Instruction				
Energy	Embodied energy	Geothermal		
Biomass	Chemical energy	Nuclear		
Renewable	Electromagnetic energy			

Nonrenewable	Solar energy			
Inexhaustible	Hydropower			
Electrical energy	Wind energy			
Mechanical energy	Heat energy			
Thermal energy	Fossil Fuels			

Important Resources		
<i>Resource</i>	<i>Location</i>	<i>Contact</i>
Activity-Apples to Applesauce		
Textbook PP. 292-316		Textbook Administrator
Student Workbook PP. 101-112		Textbook Administrator
TXU Educational Publications a.) Sources of Electricity b.) Coal: The Once and Future King C. Energy Transformations	TXU Media Library	
Lab-Cooking Mining		
Foss-Solar Energy	Campus	
Research Project-Types of Energy		