

Nam Karrie Goodwin		Unit: Science: Investigating Energy Social Studies: American Indian Life in Texas		Week of: September 30-October 4	
Lesson Plans					
	Monday	Tuesday	Wednesday	Thursday	Friday
TEKS/ Standards	Science: 4.1A , 4.2A , 4.2B , 4.2C , 4.2D , 4.2E , 4.2F , 4.3A , 4.3C , 4.4A , 4.6A , 4.6B , 4.6C SS: 4.1A , 4.1B , 4.1C , 4.1D , 4.6A , 4.9A , 4.10A , 4.14A , 4.21A , 4.21B , 4.21C , 4.22D	Science: 4.1A , 4.2A , 4.2B , 4.2C , 4.2D , 4.2E , 4.2F , 4.3A , 4.3C , 4.4A , 4.6A , 4.6B , 4.6C SS: 4.1A , 4.1B , 4.1C , 4.1D , 4.6A , 4.9A , 4.10A , 4.14A , 4.21A , 4.21B , 4.21C , 4.22D	Science: 4.1A , 4.2A , 4.2B , 4.2C , 4.2D , 4.2E , 4.2F , 4.3A , 4.3C , 4.4A , 4.6A , 4.6B , 4.6C SS: 4.1A , 4.1B , 4.1C , 4.1D , 4.6A , 4.9A , 4.10A , 4.14A , 4.21A , 4.21B , 4.21C , 4.22D	Science: 4.1A , 4.2A , 4.2B , 4.2C , 4.2D , 4.2E , 4.2F , 4.3A , 4.3C , 4.4A , 4.6A , 4.6B , 4.6C SS: 4.1A , 4.1B , 4.1C , 4.1D , 4.6A , 4.9A , 4.10A , 4.14A , 4.21A , 4.21B , 4.21C , 4.22D	Science: 4.1A , 4.2A , 4.2B , 4.2C , 4.2D , 4.2E , 4.2F , 4.3A , 4.3C , 4.4A , 4.6A , 4.6B , 4.6C SS: 4.1A , 4.1B , 4.1C , 4.1D , 4.6A , 4.9A , 4.10A , 4.14A , 4.21A , 4.21B , 4.21C , 4.22D
Objective(s)	Science: The student will differentiate among forms of energy, including mechanical, sound, electrical, light, and heat/thermal. SS: The student will relate to the lifestyles of the American Indians living in Texas before the arrival of European explorers.				
Bellwork	Morning Warm-up	Morning Warm-up	Morning Warm-up	Morning Warm-up	Morning Warm-up
Learning Activities	Science: Science Reading Passage	Science: Science Reading Passage	Science: Mechanical and Electrical Energy SS: Review Native	Science: Mechanical and Electrical Energy	Weekly Test

	Social Studies: Indian Tribe Research Project	Social Studies: Indian Tribe Research Project	Americans in Texas	SS: Review Native Americans in Texas	
Key Vocabulary	Science: • Circuit – a closed conducting circle or loop through which current can flow • Closed (complete, working) circuit – a closed conducting circle or loop through which current can flow • Conductor – a substance or object that allows energy to flow through it easily • Electrical energy – a form of energy produced when electric charges flow through a conductor • Energy – the ability to cause change or do work • Insulator – a substance or object that does not allow energy to flow through it easily • Light energy – a form of energy which our eyes can detect • Mechanical energy – energy of motion • Open (incomplete, broken) circuit – if the pathway is broken (burned out bulb, broken buzzer, wire cut, etc.), then electricity cannot continue to flow • Sound energy – energy produced by vibrations • Thermal energy – energy related to the temperature of an object or a substance • Vibration – a series of small, fast movements back and forth or from side to side Social Studies: • barter – exchanging a good or service for a good or service • nomadic – moving from one place to another without a permanent home • sedentary – remaining in one place • economic system – process created to manage the production, consumption, and distribution of goods and services • political system – process created to govern societies • adapt – to become accustomed to the conditions • modify – to make changes to the current conditions				

Guided/ Independent Practice	Science: What is Energy GP WS Mechanical and Electrical Energy WS SS: Complete Tribe Research PProject	Science: What is Energy GP WS Mechanical and Electrical Energy WS SS: Complete Tribe Research PProject	Science: Light, Thermal Sound WS SS: Present Tribe Project	Science: Light, Thermal and Sound Energy WS SS: Present Tribe Project	Weekly Test
Assessment- Formative Summative Exit Ticket	Why do I need to know how to differentiate among forms of energy?	Why do I need to know how to differentiate among forms of energy?	In what ways did American Indian tribes in Texas adapt to the environment?	In what ways did American Indian tribes in Texas adapt to the environment?	Test

Key Questions During Lesson

SS: • What was characteristic of the daily lives of American Indian tribes in Texas? • How did the physical environment impact the lifestyles of American Indian tribes living in Texas? • In what ways did American Indian tribes in Texas adapt to the environment? • What was characteristic of the economies and governments established by the American Indian tribes in Texas? SCIENCE: • In what ways is one form of energy different from another?	
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