

TA Nat Sci Standards

grades 5-8	Take Action Activities	The Embodied Energy in a Hamburger pg.3	Conservation Cookie pg. 4	Pass the Sack pg. 5	Energy Ticket pg. 6	The Search for Energy pg. 8	Amount of aluminum cans used each day pg. 9	Solar Power at work pg. 10	Water Planet pg.11	Making Methane from Biogas pg. 12	Energy for Electricity pg. 13	Electric vs. Natural gas heating pg. 15	Insulation Tests pg. 16	Heat from Light Bulbs pg. 17	Think! Energy House poster Activity pg. 20	Organize an Energy Action Patrol pg. 22	Electrical Generation Poster	Natural Gas Poster
National Science Standards																		
Unifying Concepts and Processes	Systems	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	Models	√	√	√	√	√			√	√	√		√		√		√	√
	Measurement							√		√			√	√				√
Science as Inquiry	Abilities necessary to do scientific inquiry		√	√	√	√	√	√	√	√			√	√			√	√
	Understandings about scientific inquiry		√	√	√	√	√	√	√	√	√		√	√	√	√	√	√
Physical Science	Properties and changes of properties in matter	√					√			√								√
	Transfer of energy	√			√	√	√	√		√	√	√	√	√	√		√	√
Life Science	Populations and ecosystems	√								√								√
Earth and Space Science	Structure of the Earth system							√	√									
	Earth in the solar system	√						√	√									√

TA Nat Sci Standards

grades 5-8	Take Action Activities	The Embodied Energy in a Hamburger pg.3	Conservation Cookie pg. 4	Pass the Sack pg. 5	Energy Ticket pg. 6	The Search for Energy pg. 8	Amount of aluminum cans used each day pg. 9	Solar Power at work pg. 10	Water Planet pg.11	Making Methane from Biogas pg. 12	Energy for Electricity pg. 13	Electric vs. Natural gas heating pg. 15	Insulation Tests pg. 16	Heat from Light Bulbs pg. 17	Think! Energy House poster Activity pg. 20	Organize an Energy Action Patrol pg. 22	Electrical Generation Poster	Natural Gas Poster
National Science Standards																		
Science and Technology	Abilities of Technological Design							✓		✓			✓					✓
	Understandings about science and technology							✓		✓			✓					✓
Science in Personal and Social Perspectives	Populations, resources and environments	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		✓	✓
	Natural Hazards		✓	✓	✓	✓	✓		✓									
	Risks and benefits		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Science and technology in		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
History and Nature of Science	Nature of science	✓				✓	✓	✓	✓	✓	✓		✓	✓				✓