

TA Nat Sci Standards

grades K-4		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 of objects and material	✓						✓	✓		✓			✓	✓			✓	✓
	Light, heat, electricity and magnetism					✓			✓		✓	✓	✓	✓	✓	✓		✓	✓
Life Science	Organisms and their Environment		✓	✓	✓	✓	✓			✓		✓					✓		✓
Earth and Space Science	Properties of Earth materials	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓
	Objects in the sky	✓							✓										

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Science and Technology	Abilities of Technological Design								✓		✓				✓					✓
	Understandings about science and technology								✓		✓			✓	✓					
Science in Personal and Social Perspectives	Types of resources	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓		✓	✓	
	Changes in Environments		✓	✓	✓	✓	✓			✓	✓	✓				✓	✓			
	Science and Technology in local challenges	✓					✓					✓	✓	✓	✓	✓	✓			
History and Nature of Science	Science as a human endeavor																	✓	✓	