

## Science Academic Standards

**Science Connections:** Students in Wisconsin will understand that there are unifying themes: systems, order, organization, and interactions; evidence, models, and explanation; consistency, change, and measurement; evolution, equilibrium, and energy; and form and function among scientific disciplines. Those themes are to be used to connect the science content standards for Wisconsin to each other.

**Nature of Science:** Students in Wisconsin will understand that science is ongoing and inventive, and that scientific understandings have changed over time as new evidence is found.

**Science Inquiry (Problem Solving):** Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate new knowledge, and communicate these new understandings to others.

**Physical Science:** Students in Wisconsin will demonstrate an understanding of the physical and chemical properties of matter, the forms and properties of energy, and how matter and energy are interrelated.

**Earth and Space Science:** Students in Wisconsin will demonstrate an understanding of the structure and systems of Earth and other bodies in the universe, and their interactions.

**Life and Environmental Science:** Student in Wisconsin will demonstrate an understanding of the characteristics and structures of living things, the processes of life, and how living things interact with each other and their environment.

**Science Applications:** Students in Wisconsin will demonstrate an understanding of the relationship of science and technology and how that relationship influences human activities.

**Science in Social and Person Perspectives:** Students in Wisconsin will use scientific information and skills to make decisions about themselves, Wisconsin, and the world in which they live.

Activity	Science Connections	Nature of Science	Science Inquiry	Physical Science	Earth & Space Science	Life and Env. Science	Science Applications	Personal & Social Perspectives
Advertising Energy							X	
At Watt Rate?							X	X
Careers in Energy							X	
Circuit Circus				X				X
Classroom Energy			X					X
Community Energy			X					X
Cost of Using Energy							X	X
Dealing Nuclear Waste		X	X			X	X	X
Digging for Coal			X		X	X		X
Dirty Half Dozen					X	X		

## Science Academic Standards (Continued)

Activity	Science Connections	Nature of Science	Science Inquiry	Physical Science	Earth & Space Science	Life and Env. Science	Science Applications	Personal & Social Perspectives
Diminishing Returns	X		X	X		X		
Don't Throw Energy						X		X
Driving Reasons							X	
Electric Charades	X						X	
Electric Motors					X			X
Energy Action Plan			X			X		X
Energy Debate		X	X					X
Energy Divide			X			X		X
Energy from Food						X		
Energy Futures			X				X	X
Energy Investigations			X			X	X	X
Energy Prices							X	
Energy Story			X					
Energy Use Ecosystem			X		X	X		
Energy Use Then Now								X
Evidence of Energy	X	X		X	X	X		
Exploring Heat		X	X	X				
Food Chain Game					X	X		
Fueling Around						X		X
Fuel That Power Plant					X		X	
Get That Gasoline					X		X	X
Harnessing Nuclear				X	X	X	X	X
Miracle of Solar Cells				X		X		X

## Science Academic Standards (Continued)

Activity	Science Connections	Nature of Science	Science Inquiry	Physical Science	Earth & Space Science	Life and Env. Science	Science Applications	Personal & Social Perspectives
People Power				X				
Potentially Kinetic				X				
Puzzling Biological	X	X			X	X		
Reading Utility Bills							X	
Reading Utility Meters							X	
Roasted Peanuts						X		
Shoebox Solar Cooker				X	X		X	X
So You Want to Heat				X	X	X	X	X
Station Break	X			X				X
Sun, Wind, Water	X				X	X		
Taking Temperature				X	X			
Viewpoints							X	X
Waterwheels,				X				
Where Get Energy?				X	X			X
Why Use Renewable?			X				X	X