

Lessons	Fundamentals of Energy	Climate Change	Energy Efficiency	9.1 Energy cannot be created or destroyed; however, energy can be converted from one form to another	9.2 Electrical force is a universal force that exists between any two charged objects	9.3 Various sources of energy are used by humans and have advantages and disadvantages	9.4 Atoms react with one another to form new molecules	9.5 Due to its unique chemical structure, carbon forms many organic and inorganic compounds	9.6 Chemical technologies present risks and benefits to the health and well-being of humans, plants and animals	9.7 Elements on Earth move among reservoirs in the solid earth, oceans, atmosphere and organisms as part of biogeochemical cycles	9.8 The use of resources by human populations may affect the quality of the environment	9.9 Some materials can be recycled, but others accumulate in the environment and may affect the balance of the Earth systems	D Inquiry Activities	Aligned to other grades
Cat-Traption	x			x									x	7,8
Introductions to Energy Use	x			x	x	x							x	
Discovering Ohm's Law	x				x								x	4
Alternating Current	x				x									
How Energy is Generated	x			x		x								
The Law of Radioactive Decay	x					x	x							
What Do Concentrations Mean?		x							x		x		x	
What is the Carbon Cycle?		x				x		x		x	x	x	x	
Human Activity and Climate Change		x									x	x	x	
Where in the World is Carbon Dioxide?		x								x	x	x	x	
Mauna Loa in the Classroom		x		x						x	x	x	x	
Your Source of Energy	x	x				x		x		x	x	x	x	
CO2 Emissions from Burning Fossil Fuels	x	x		x	x	x		x			x	x	x	
Ecological Footprint		x	x						x			x		6,7,10
12 Steps to Sustainability		x	x		x				x		x	x	x	10
CO2 Coefficients														
Connecticut Climate Change		x								x	x	x		

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CT CAPT Curriculum Embedded Task--Energy Uses in Connecticut						x							x	
CT CAPT Curriculum Embedded Task--Acid Rain											x	x	x	
10% Challenge		x	x			x					x	x		
Writing Across the Disciplines	x	x	x			x						x	x	8
CFL Cost Benefit Analysis	x	x	x		x	x					x	x		
Home Energy Quiz			x									x		
How Does the Electricity I Use Compare to the National Average?	x	x	x			x							x	
Putting Energy in Perspective	x				x	x								7,10
There's a Thief in my Kitchen	x		x		x	x								4,5
Stabilization Wedges	x	x				x		x	x		x	x	x	
Carbon Cycle Game	x	x						x		x	x	x	x	10
Siting a Power Plant	x					x			x		x	x	x	
Personal Wedges Game	x	x	x			x				x	x	x	x	10