

| 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 |