

Program: Energy Revealed

Grade 5 - Alberta Science Curriculum Connections



Activity Name	Organizing Idea	Learning Outcome
Activity: Knowing Energy: Stair Climb	Energy	Students investigate and compare how forces affect living things and objects in water and air.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.
Activity: Knowing Energy: Tea at Home	Matter	Students investigate the particle model of matter in relation to the physical properties of solids, liquids, and gases.
	Energy	Students investigate and compare how forces affect living things and objects in water and air.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.
Activity: Knowing Energy: Race to a kWh	Energy	Students investigate and compare how forces affect living things and objects in water and air.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.
Activity: Knowing Energy: How Intense is Your Electricity Usage?	Energy	Students investigate and compare how forces affect living things and objects in water and air.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.
Activity: Knowing Energy: The Electricity Grid	Energy	Students investigate and analyze various energy resources.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.
Activity: Knowing Energy: Renewables	Energy	Students investigate and analyze various energy resources.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.
Activity: Knowing Energy: The Big Picture	Energy	Students investigate and analyze various energy resources.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.
Activity: All About the Baseline	Grade 7-12	
Activity: Can You Observe How You Can Conserve?	Energy	Students investigate and analyze various energy resources.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.
Activity: Energy Hogs	Energy	Students investigate and analyze various energy resources.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.

Activity: Extra Energy Investigation	Energy	Students investigate and analyze various energy resources.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.
Activity: How Smart is Your Smart Board?	Grade 7-12	
Activity: Imagination Station	Energy	Students investigate and analyze various energy resources.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.
Activity: Small Appliance Energy Reliance	Energy	Students investigate and analyze various energy resources.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.
Activity: Start Me Up!	Energy	Students investigate and analyze various energy resources.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.
Activity: Take a Look	Energy	Students investigate and analyze various energy resources.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.
Activity: Total Energy vs. Total Cost	Grade 7-12	
Activity: Understanding Energy Efficiency in Your School	Grade 7-12	
Activity: Community Walk	Energy	Students investigate and analyze various energy resources.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.
Activity: School Energy Audit	Grade 7-12	
Activity: Energy Efficient Lighting	Energy	Students investigate and analyze various energy resources.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.
Activity: Find the Phantom Load	Energy	Students investigate and analyze various energy resources.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.
Activity: Home Energy Audit	Energy	Students investigate and analyze various energy resources.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.
Activity: Watchers and Seekers	Energy	Students investigate and analyze various energy resources.
	Computer Science	Students apply design processes when creating artifacts that can be used by a human or machine to address a need.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.

Activity: Back to the Future	Energy	Students investigate and analyze various energy resources.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.
Activity: Changing Our Ways	Energy	Students investigate and analyze various energy resources.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.
Activity: Exploring Our Energy Ethics	Energy	Students investigate and analyze various energy resources.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.
Activity: Once Upon a Bike	Energy	Students investigate and analyze various energy resources.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.
Activity: Puzzling Over Energy Issues	Energy	Students investigate and analyze various energy resources.
	Earth Systems	Students analyze climate and connect it to weather conditions and agricultural practices.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.
Activity: Ride, Roll and Stroll	Energy	Students investigate and analyze various energy resources.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.
Activity: Speak for the Trees	Grade 7-12	
Activity: Taking the Lead	Energy	Students investigate and analyze various energy resources.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.
Activity: Walk a Mile	Energy	Students investigate and analyze various energy resources.
	Scientific Methods	Students investigate how evidence is gathered and explain the importance of ethics in science.