

Program: Re-Energy

Grade 6 - Alberta Science Curriculum Connections



Activity Name	Organizing Idea	Learning Outcome
Activity: Renewable Energy Sources	Grade 7-12	
Activity: What is Renewable Energy?	Grade 7-12	
Activity: Build a Solar Car	Energy	Students investigate energy resources and explain factors that influence their use.
	Space	Students analyze and represent celestial bodies of the solar system.
	Scientific Methods	Students investigate and describe the role of explanation in science.
Activity: Build a Solar Oven	Energy	Students investigate energy resources and explain factors that influence their use.
	Space	Students analyze and represent celestial bodies of the solar system.
	Scientific Methods	Students investigate and describe the role of explanation in science.
Activity: Construire un Four Solaire	Energy	Students investigate energy resources and explain factors that influence their use.
	Space	Students analyze and represent celestial bodies of the solar system.
	Scientific Methods	Students investigate and describe the role of explanation in science.
Activity: Introduction to Solar Electricity	Energy	Students investigate energy resources and explain factors that influence their use.
	Space	Students analyze and represent celestial bodies of the solar system.
	Scientific Methods	Students investigate and describe the role of explanation in science.
Activity: Introduction to Solar Heat Energy	Energy	Students investigate energy resources and explain factors that influence their use.
	Space	Students analyze and represent celestial bodies of the solar system.
	Scientific Methods	Students investigate and describe the role of explanation in science.
Activity: Solar Energy Transition with Six Nations of the Grand River	Energy	Students analyze forces and relate them to interactions between objects.
	Energy	Students investigate energy resources and explain factors that influence their use.
Activity: Electrifying the Future of Transportation Guide	Grade 9-12	

Activity: Build an Electric Vehicle Model	Energy	Students analyze forces and relate them to interactions between objects.
	Energy	Students investigate energy resources and explain factors that influence their use.
	Computer Science	Students examine abstraction in relation to design and coding and describe impacts of technologies.
	Scientific Methods	Students investigate and describe the role of explanation in science.
Activity: Exploring Electric Vehicle Charging Stations	Grade 7-12	
Activity: History of the Electric Vehicle	Grade 7-12	
Activity: How is Your Community Adapting for Electric Vehicles?	Grade 7-12	
Activity: Planning a Trip in your Electric Vehicle	Grade 7-12	
Activity: Electric Vehicles and Charging Stations with Six Nations of the Grand River	Energy	Students analyze forces and relate them to interactions between objects.
	Energy	Students investigate energy resources and explain factors that influence their use.
Activity: What EV Should You Buy?	Grade 7-12	
Activity: Build a Wind Turbine	Energy	Students analyze forces and relate them to interactions between objects.
	Energy	Students investigate energy resources and explain factors that influence their use.
	Scientific Methods	Students investigate and describe the role of explanation in science.
Activity: Introduction to Wind Energy	Energy	Students analyze forces and relate them to interactions between objects.
	Energy	Students investigate energy resources and explain factors that influence their use.
	Scientific Methods	Students investigate and describe the role of explanation in science.
Activity: Wind Turbine Simulator	Energy	Students analyze forces and relate them to interactions between objects.
	Energy	Students investigate energy resources and explain factors that influence their use.
	Scientific Methods	Students investigate and describe the role of explanation in science.
Activity: Build a Hydroelectric Generator	Energy	Students analyze forces and relate them to interactions between objects.
	Energy	Students investigate energy resources and explain factors that influence their use.
	Scientific Methods	Students investigate and describe the role of explanation in science.

Activity: Introduction to Hydro Energy	Energy	Students analyze forces and relate them to interactions between objects.
	Energy	Students investigate energy resources and explain factors that influence their use.
	Scientific Methods	Students investigate and describe the role of explanation in science.
Activity: Pumped Hydro Storage	Grade 7-12	
Activity: Build a Biogas Generator	Grade 7-12	
Activity: Introduction to Biomass Energy	Grade 7-12	
Activity: Build a Flywheel Model	Energy	Students analyze forces and relate them to interactions between objects.
	Scientific Methods	Students investigate and describe the role of explanation in science.
Activity: Build a Penny Battery	Energy	Students analyze forces and relate them to interactions between objects.
	Scientific Methods	Students investigate and describe the role of explanation in science.
Activity: Endothermic and Exothermic Reactions	Grade 7-12	
Activity: Energy Storage Match	Grade 7-12	
Activity: Exploring Energy Storage in Your Community	Grade 7-12	
Activity: Exploring How to Make a Battery	Grade 7-12	
Activity: Heat Transfer Lab	Grade 7-12	
Activity: The Electrostatic Effect	Grade 7-12	