

Program: Energy Revealed

Grade 4 - Alberta Science Curriculum Connections



Activity Name	Organizing Idea	Learning Outcome
Activity: Knowing Energy: Stair Climb	Energy	Students investigate how forces can act on objects without contact.
	Scientific Methods	Students investigate evidence and reflect on its role in science.
Activity: Knowing Energy: Tea at Home	Energy	Students investigate how forces can act on objects without contact.
	Scientific Methods	Students investigate evidence and reflect on its role in science.
Activity: Knowing Energy: Race to a kWh	Energy	Students investigate how forces can act on objects without contact.
	Scientific Methods	Students investigate evidence and reflect on its role in science.
Activity: Knowing Energy: How Intense is Your Electricity Usage?	Energy	Students investigate how forces can act on objects without contact.
	Scientific Methods	Students investigate evidence and reflect on its role in science.
Activity: Knowing Energy: The Electricity Grid	Energy	Students investigate how forces can act on objects without contact.
	Scientific Methods	Students investigate evidence and reflect on its role in science.
Activity: Knowing Energy: Renewables	Energy	Students investigate how forces can act on objects without contact.
	Earth Systems	Students investigate the systems of Earth and reflect on how their interconnections sustain life.
	Scientific Methods	Students investigate evidence and reflect on its role in science.
Activity: Knowing Energy: The Big Picture	Energy	Students investigate how forces can act on objects without contact.
	Scientific Methods	Students investigate evidence and reflect on its role in science.
Activity: All About the Baseline	Grade 7-12	
Activity: Can You Observe How You Conserve?	Energy	Students investigate how forces can act on objects without contact.
	Earth Systems	Students investigate the systems of Earth and reflect on how their interconnections sustain life.
	Scientific Methods	Students investigate evidence and reflect on its role in science.

Activity: Energy Hogs	Energy	Students investigate how forces can act on objects without contact.
	Scientific Methods	Students investigate evidence and reflect on its role in science.
Activity: Extra Energy Investigation	Energy	Students investigate how forces can act on objects without contact.
	Scientific Methods	Students investigate evidence and reflect on its role in science.
Activity: How Smart is Your Smart Board?	Grade 7-12	
Activity: Imagination Station	Energy	Students investigate how forces can act on objects without contact.
	Scientific Methods	Students investigate evidence and reflect on its role in science.
Activity: Small Appliance Energy Reliance	Energy	Students investigate how forces can act on objects without contact.
	Earth Systems	Students investigate the systems of Earth and reflect on how their interconnections sustain life.
	Scientific Methods	Students investigate evidence and reflect on its role in science.
Activity: Start Me Up!	Energy	Students investigate how forces can act on objects without contact.
	Scientific Methods	Students investigate evidence and reflect on its role in science.
Activity: Take a Look	Energy	Students investigate how forces can act on objects without contact.
	Scientific Methods	Students investigate evidence and reflect on its role 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 how forces can act on objects without contact.
	Earth Systems	Students investigate the systems of Earth and reflect on how their interconnections sustain life.
	Scientific Methods	Students investigate evidence and reflect on its role in science.
Activity: School Energy Audit	Grade 7-12	
Activity: Energy Efficient Lighting	Energy	Students investigate how forces can act on objects without contact.
	Earth Systems	Students investigate the systems of Earth and reflect on how their interconnections sustain life.
	Scientific Methods	Students investigate evidence and reflect on its role in science.
Activity: Find the Phantom Load	Energy	Students investigate how forces can act on objects without contact.
	Scientific Methods	Students investigate evidence and reflect on its role in science.

Activity: Home Energy Audit	Energy	Students investigate how forces can act on objects without contact.
	Earth Systems	Students investigate the systems of Earth and reflect on how their interconnections sustain life.
	Scientific Methods	Students investigate evidence and reflect on its role in science.
Activity: Watchers and Seekers	Energy	Students investigate how forces can act on objects without contact.
	Computer Science	Students examine and apply design processes to meet needs.
	Scientific Methods	Students investigate evidence and reflect on its role in science.
Activity: Back to the Future	Energy	Students investigate how forces can act on objects without contact.
	Earth Systems	Students investigate the systems of Earth and reflect on how their interconnections sustain life.
	Scientific Methods	Students investigate evidence and reflect on its role in science.
Activity: Changing Our Ways	Energy	Students investigate how forces can act on objects without contact.
	Scientific Methods	Students investigate evidence and reflect on its role in science.
Activity: Exploring Our Energy Ethics	Energy	Students investigate how forces can act on objects without contact.
	Earth Systems	Students investigate the systems of Earth and reflect on how their interconnections sustain life.
	Scientific Methods	Students investigate evidence and reflect on its role in science.
Activity: Once Upon a Bike	Energy	Students investigate how forces can act on objects without contact.
	Scientific Methods	Students investigate evidence and reflect on its role in science.
Activity: Puzzling Over Energy Issues	Energy	Students investigate how forces can act on objects without contact.
	Earth Systems	Students investigate the systems of Earth and reflect on how their interconnections sustain life.
	Scientific Methods	Students investigate evidence and reflect on its role in science.
Activity: Ride, Roll and Stroll	Energy	Students investigate how forces can act on objects without contact.
	Earth Systems	Students investigate the systems of Earth and reflect on how their interconnections sustain life.
	Scientific Methods	Students investigate evidence and reflect on its role in science.
Activity: Speak for the Trees	Grade 7-12	
Activity: Taking the Lead	Energy	Students investigate how forces can act on objects without contact.
	Scientific Methods	Students investigate evidence and reflect on its role in science.

[Activity: Walk a Mile](#)

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Scientific Methods	Students investigate evidence and reflect on its role in science.