

Program: Energy Revealed

Grade 6 – Ontario Science and Technology Curriculum Connections



Activity Name	Organizing Idea	Learning Outcome
Activity: Knowing Energy: Stair Climb	N/A	
Activity: Knowing Energy: Tea at Home	N/A	
Activity: Knowing Energy: Race to a kWh	N/A	
Activity: Knowing Energy: How Intense is Your Electricity Usage?	C. Matter and Energy: Electrical Phenomena, Energy, and Devices	C1. Relating Science and Technology to Our Changing World – Evaluate the impact of the use and generation of electrical energy on society and the environment, and suggest ways to use electrical energy responsibly
		C2. Exploring and Understanding Concepts – Demonstrate an understanding of the principles of electrical energy and its transformation into and from other forms of energy
Activity: Knowing Energy: The Electricity Grid	C. Matter and Energy: Electrical Phenomena, Energy, and Devices	C1. Relating Science and Technology to Our Changing World – Evaluate the impact of the use and generation of electrical energy on society and the environment, and suggest ways to use electrical energy responsibly
		C2. Exploring and Understanding Concepts – Demonstrate an understanding of the principles of electrical energy and its transformation into and from other forms of energy
Activity: Knowing Energy: Renewables	N/A	
Activity: Knowing Energy: The Big Picture	N/A	
Activity: All About the Baseline	Grade 7-12	
Activity: Can You Observe How You Conserve?	A. Stem Skills and Connections	A1. STEM Investigation and Communication Skills – Use a scientific research process, a scientific experimentation process, and an engineering design process to conduct investigations, following appropriate health and safety procedures
	C. Matter and Energy: Electrical Phenomena, Energy, and Devices	C1. Relating Science and Technology to Our Changing World – Evaluate the impact of the use and generation of electrical energy on society and the environment, and suggest ways to use electrical energy responsibly

Activity: Energy Hogs	A. Stem Skills and Connections	A1. STEM Investigation and Communication Skills – Use a scientific research process, a scientific experimentation process, and an engineering design process to conduct investigations, following appropriate health and safety procedures
	C. Matter and Energy: Electrical Phenomena, Energy, and Devices	C1. Relating Science and Technology to Our Changing World – Evaluate the impact of the use and generation of electrical energy on society and the environment, and suggest ways to use electrical energy responsibly
Activity: Extra Energy Investigation	A. Stem Skills and Connections	A1. STEM Investigation and Communication Skills – Use a scientific research process, a scientific experimentation process, and an engineering design process to conduct investigations, following appropriate health and safety procedures
	C. Matter and Energy: Electrical Phenomena, Energy, and Devices	C1. Relating Science and Technology to Our Changing World – Evaluate the impact of the use and generation of electrical energy on society and the environment, and suggest ways to use electrical energy responsibly
Activity: How Smart is Your Smart Board?	Grade 7-12	
Activity: Imagination Station	A. Stem Skills and Connections	A1. STEM Investigation and Communication Skills – Use a scientific research process, a scientific experimentation process, and an engineering design process to conduct investigations, following appropriate health and safety procedures
	C. Matter and Energy: Electrical Phenomena, Energy, and Devices	C1. Relating Science and Technology to Our Changing World – Evaluate the impact of the use and generation of electrical energy on society and the environment, and suggest ways to use electrical energy responsibly
Activity: Small Appliance Energy Reliance	A. Stem Skills and Connections	A1. STEM Investigation and Communication Skills – Use a scientific research process, a scientific experimentation process, and an engineering design process to conduct investigations, following appropriate health and safety procedures
	C. Matter and Energy: Electrical Phenomena, Energy, and Devices	C1. Relating Science and Technology to Our Changing World – Evaluate the impact of the use and generation of electrical energy on society and the environment, and suggest ways to use electrical energy responsibly
Activity: Start Me Up!	A. Stem Skills and Connections	A1. STEM Investigation and Communication Skills – Use a scientific research process, a scientific experimentation process, and an engineering design process to conduct investigations, following appropriate health and safety procedures
	C. Matter and Energy: Electrical Phenomena, Energy, and Devices	C1. Relating Science and Technology to Our Changing World – Evaluate the impact of the use and generation of electrical energy on society and the environment, and suggest ways to use electrical energy responsibly

Activity: Take a Look	A. Stem Skills and Connections	A1. STEM Investigation and Communication Skills – Use a scientific research process, a scientific experimentation process, and an engineering design process to conduct investigations, following appropriate health and safety procedures
	C. Matter and Energy: Electrical Phenomena, Energy, and Devices	C1. Relating Science and Technology to Our Changing World – Evaluate the impact of the use and generation of electrical energy on society and the environment, and suggest ways to use electrical energy responsibly
Activity: Total Energy vs Total Cost	Grade 7-12	
Activity: Understanding Energy Efficiency in Your School	Grade 7-12	
Activity: Community Walk	C. Matter and Energy: Electrical Phenomena, Energy, and Devices	C1. Relating Science and Technology to Our Changing World – Evaluate the impact of the use and generation of electrical energy on society and the environment, and suggest ways to use electrical energy responsibly
Activity: School Energy Audit	Grade 7-12	
Activity: Energy Efficient Lighting	A. Stem Skills and Connections	A1. STEM Investigation and Communication Skills – Use a scientific research process, a scientific experimentation process, and an engineering design process to conduct investigations, following appropriate health and safety procedures
	C. Matter and Energy: Electrical Phenomena, Energy, and Devices	C1. Relating Science and Technology to Our Changing World – Evaluate the impact of the use and generation of electrical energy on society and the environment, and suggest ways to use electrical energy responsibly
Activity: Find the Phantom Load	A. Stem Skills and Connections	A1. STEM Investigation and Communication Skills – Use a scientific research process, a scientific experimentation process, and an engineering design process to conduct investigations, following appropriate health and safety procedures
	C. Matter and Energy: Electrical Phenomena, Energy, and Devices	C1. Relating Science and Technology to Our Changing World – Evaluate the impact of the use and generation of electrical energy on society and the environment, and suggest ways to use electrical energy responsibly
Activity: Home Energy Audit	A. Stem Skills and Connections	A1. STEM Investigation and Communication Skills – Use a scientific research process, a scientific experimentation process, and an engineering design process to conduct investigations, following appropriate health and safety procedures
	C. Matter and Energy: Electrical Phenomena, Energy, and Devices	C1. Relating Science and Technology to Our Changing World – Evaluate the impact of the use and generation of electrical energy on society and the environment, and suggest ways to use electrical energy responsibly

Activity: Watchers and Seekers	A. Stem Skills and Connections	A1. STEM Investigation and Communication Skills – Use a scientific research process, a scientific experimentation process, and an engineering design process to conduct investigations, following appropriate health and safety procedures
	C. Matter and Energy: Electrical Phenomena, Energy, and Devices	C1. Relating Science and Technology to Our Changing World – Evaluate the impact of the use and generation of electrical energy on society and the environment, and suggest ways to use electrical energy responsibly
Activity: Back to the Future	A. Stem Skills and Connections	A1. STEM Investigation and Communication Skills – Use a scientific research process, a scientific experimentation process, and an engineering design process to conduct investigations, following appropriate health and safety procedures
	C. Matter and Energy: Electrical Phenomena, Energy, and Devices	C1. Relating Science and Technology to Our Changing World – Evaluate the impact of the use and generation of electrical energy on society and the environment, and suggest ways to use electrical energy responsibly
Activity: Changing Our Ways	A. Stem Skills and Connections	A1. STEM Investigation and Communication Skills – Use a scientific research process, a scientific experimentation process, and an engineering design process to conduct investigations, following appropriate health and safety procedures
Activity 27: Exploring Our Energy Ethics	N/A	
Activity: Once Upon a Bike	N/A	
Activity: Puzzling Over Energy Issues	N/A	
Activity: Ride, Roll and Stroll	N/A	
Activity: Speak for the Trees	Grade 7-12	
Activity: Taking the Lead	N/A	
Activity: Walk a Mile	N/A	