

Program: Energy Revealed

Grade 7 – Ontario Social Studies 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?	N/A	
Activity: Knowing Energy: The Electricity Grid	N/A	
Activity: Knowing Energy: Renewables	B. Natural Resources Around the World: Use and Sustainability	B1.4 - create a personal plan of action outlining how they can contribute to more sustainable natural resource extraction/harvesting and/or use B2.6 - communicate the results of their inquiries using appropriate vocabulary and formats appropriate for specific audiences B3.2 - describe ways in which people use the natural environment, including specific elements within it, to meet their needs and wants B3.5 - describe some responses to social and/or environmental challenges arising from the use of natural resources
Activity: Knowing Energy: The Big Picture	B. Natural Resources Around the World: Use and Sustainability	B1.4 - create a personal plan of action outlining how they can contribute to more sustainable natural resource extraction/harvesting and/or use B2.6 - communicate the results of their inquiries using appropriate vocabulary and formats appropriate for specific audiences B3.5 - describe some responses to social and/or environmental challenges arising from the use of natural resources
Activity: All About the Baseline	B. Natural Resources Around the World: Use and Sustainability	B3.2 - describe ways in which people use the natural environment, including specific elements within it, to meet their needs and wants B3.5 - describe some responses to social and/or environmental challenges arising from the use of natural resources

<u>Activity: Can You Observe How You Conserve?</u>	N/A	
<u>Activity: Energy Hogs</u>	N/A	
<u>Activity: Extra Energy Investigation</u>	N/A	
<u>Activity: How Smart is Your Smart Board?</u>	A. Physical Patterns in a Changing World	A2.1 - formulate questions to guide investigations into the impact of natural events and/or human activities that change the physical environment
		A2.2 - gather and organize data and information from a variety of sources, and using various technologies, on the impact of natural events and/or human activities that change the physical environment, ensuring that their sources reflect more than one perspective
		A2.4 - interpret and analyse data and information relevant to their investigations, using various tools and spatial technologies
		A2.5 - evaluate evidence and draw conclusions about the impact of natural events and/or human activities that change the physical environment
<u>Activity: Imagination Station</u>	N/A	
<u>Activity: Small Appliance Energy Reliance</u>	A. Physical Patterns in a Changing World	A2.1 - formulate questions to guide investigations into the impact of natural events and/or human activities that change the physical environment
		A2.2 - gather and organize data and information from a variety of sources, and using various technologies, on the impact of natural events and/or human activities that change the physical environment, ensuring that their sources reflect more than one perspective
		A2.4 - interpret and analyse data and information relevant to their investigations, using various tools and spatial technologies
		A2.5 - evaluate evidence and draw conclusions about the impact of natural events and/or human activities that change the physical environment
<u>Activity: Start Me Up!</u>	N/A	
<u>Activity: Take a Look</u>	Grade 4-6	

		<p>A. Physical Patterns in a Changing World</p> <p>A2.1 - formulate questions to guide investigations into the impact of natural events and/or human activities that change the physical environment</p> <p>A2.2 - gather and organize data and information from a variety of sources, and using various technologies, on the impact of natural events and/or human activities that change the physical environment, ensuring that their sources reflect more than one perspective</p> <p>A2.4 - interpret and analyse data and information relevant to their investigations, using various tools and spatial technologies</p> <p>A2.5 - evaluate evidence and draw conclusions about the impact of natural events and/or human activities that change the physical environment</p>
<p>Activity: Total Energy vs Total Cost</p>		<p>A. Physical Patterns in a Changing World</p> <p>A2.1 - formulate questions to guide investigations into the impact of natural events and/or human activities that change the physical environment</p> <p>A2.2 - gather and organize data and information from a variety of sources, and using various technologies, on the impact of natural events and/or human activities that change the physical environment, ensuring that their sources reflect more than one perspective</p> <p>A2.4 - interpret and analyse data and information relevant to their investigations, using various tools and spatial technologies</p> <p>A2.5 - evaluate evidence and draw conclusions about the impact of natural events and/or human activities that change the physical environment</p>
<p>Activity: Understanding Energy Efficiency in Your School</p>		<p>B. Natural Resources Around the World: Use and Sustainability</p> <p>B1.4 - create a personal plan of action outlining how they can contribute to more sustainable natural resource extraction/harvesting and/or use</p> <p>B2.6 - communicate the results of their inquiries using appropriate vocabulary and formats appropriate for specific audiences</p> <p>B3.2 - describe ways in which people use the natural environment, including specific elements within it, to meet their needs and wants</p> <p>B3.5 - describe some responses to social and/or environmental challenges arising from the use of natural resources</p>
<p>Activity: Community Walk</p>	<p>N/A</p>	

Activity: School Energy Audit	B. Natural Resources Around the World: Use and Sustainability	B1.4 - create a personal plan of action outlining how they can contribute to more sustainable natural resource extraction/harvesting and/or use B2.6 - communicate the results of their inquiries using appropriate vocabulary and formats appropriate for specific audiences B3.2 - describe ways in which people use the natural environment, including specific elements within it, to meet their needs and wants B3.5 - describe some responses to social and/or environmental challenges arising from the use of natural resources
Activity: Energy Efficient Lighting	A. Physical Patterns in a Changing World	A2.1 - formulate questions to guide investigations into the impact of natural events and/or human activities that change the physical environment A2.2 - gather and organize data and information from a variety of sources, and using various technologies, on the impact of natural events and/or human activities that change the physical environment, ensuring that their sources reflect more than one perspective A2.4 - interpret and analyse data and information relevant to their investigations, using various tools and spatial technologies
	B. Natural Resources Around the World: Use and Sustainability	B1.2 - analyse natural resource extraction/harvesting and use in some specific regions of the world B2.2 - gather and organize data and information from a variety of sources on the impact of resource extraction/harvesting and/or use, ensuring that their sources reflect more than one perspective B2.5 - evaluate evidence and draw conclusions about issues related to the impact of natural resource extraction/harvesting and/or use around the world
Activity: Find the Phantom Load	A. Physical Patterns in a Changing World	A2.1 - formulate questions to guide investigations into the impact of natural events and/or human activities that change the physical environment A2.2 - gather and organize data and information from a variety of sources, and using various technologies, on the impact of natural events and/or human activities that change the physical environment, ensuring that their sources reflect more than one perspective A2.4 - interpret and analyse data and information relevant to their investigations, using various tools and spatial technologies A2.5 - evaluate evidence and draw conclusions about the impact of natural events and/or human activities that change the physical environment
Activity: Home Energy Audit	N/A	
Activity: Watchers and Seekers	N/A	

<p>Activity: Back to the Future</p>	<p>A. Physical Patterns in a Changing World</p>	<p>A1.1 - describe various ways in which people have responded to challenges and opportunities presented by the physical environment</p> <p>A1.2 - compare and contrast the perspectives of some different groups on the challenges and opportunities presented by the natural environment</p> <p>A2.1 - formulate questions to guide investigations into the impact of natural events and/or human activities that change the physical environment</p> <p>A2.2 - gather and organize data and information from a variety of sources, and using various technologies, on the impact of natural events and/or human activities that change the physical environment, ensuring that their sources reflect more than one perspective</p> <p>A2.4 - interpret and analyse data and information relevant to their investigations, using various tools and spatial technologies</p>
	<p>B. Natural Resources Around the World: Use and Sustainability</p>	<p>B1.2 - analyse natural resource extraction/harvesting and use in some specific regions of the world</p> <p>B2.2 - gather and organize data and information from a variety of sources on the impact of resource extraction/harvesting and/or use, ensuring that their sources reflect more than one perspective</p> <p>B2.6 - communicate the results of their inquiries using appropriate vocabulary and formats appropriate for specific audiences</p> <p>B3.1 - identify Earth's renewable, non-renewable, and flow resources and explain their relationship to Earth's physical features</p> <p>B3.4 - describe the perspectives of different groups regarding the use of the natural environment to meet human needs</p>
<p>Activity: Changing Our Ways</p>	<p>A. Physical Patterns in a Changing World</p>	<p>A2.1 - formulate questions to guide investigations into the impact of natural events and/or human activities that change the physical environment</p> <p>A2.2 - gather and organize data and information from a variety of sources, and using various technologies, on the impact of natural events and/or human activities that change the physical environment, ensuring that their sources reflect more than one perspective</p> <p>A2.4 - interpret and analyse data and information relevant to their investigations, using various tools and spatial technologies</p>
	<p>B. Natural Resources Around the World: Use and Sustainability</p>	<p>B2.6 - communicate the results of their inquiries using appropriate vocabulary and formats appropriate for specific audiences</p>

Activity: Exploring Our Energy Ethics	A. Physical Patterns in a Changing World	A1.2 - compare and contrast the perspectives of some different groups on the challenges and opportunities presented by the natural environment
		A2.1 - formulate questions to guide investigations into the impact of natural events and/or human activities that change the physical environment
	B. Natural Resources Around the World: Use and Sustainability	B2.2 - gather and organize data and information from a variety of sources on the impact of resource extraction/harvesting and/or use, ensuring that their sources reflect more than one perspective
		B3.4 - describe the perspectives of different groups regarding the use of the natural environment to meet human needs
Activity: Once Upon a Bike	A. Physical Patterns in a Changing World	A1.1 - describe various ways in which people have responded to challenges and opportunities presented by the physical environment
		A2.1 - formulate questions to guide investigations into the impact of natural events and/or human activities that change the physical environment
		A2.2 - gather and organize data and information from a variety of sources, and using various technologies, on the impact of natural events and/or human activities that change the physical environment, ensuring that their sources reflect more than one perspective
		A2.4 - interpret and analyse data and information relevant to their investigations, using various tools and spatial technologies
	B. Natural Resources Around the World: Use and Sustainability	B1.2 - analyse natural resource extraction/harvesting and use in some specific regions of the world
		B2.2 - gather and organize data and information from a variety of sources on the impact of resource extraction/harvesting and/or use, ensuring that their sources reflect more than one perspective
		B2.6 - communicate the results of their inquiries using appropriate vocabulary and formats appropriate for specific audiences
		B3.1 - identify Earth's renewable, non-renewable, and flow resources and explain their relationship to Earth's physical features

Activity: Puzzling Over Energy Issues	A. Physical Patterns in a Changing World	<p>A2.1 - formulate questions to guide investigations into the impact of natural events and/or human activities that change the physical environment</p> <p>A2.4 - interpret and analyse data and information relevant to their investigations, using various tools and spatial technologies</p> <p>A2.6 - communicate the results of their inquiries, using appropriate vocabulary and formats appropriate for specific audiences</p>
	B. Natural Resources Around the World: Use and Sustainability	<p>B2.2 - gather and organize data and information from a variety of sources on the impact of resource extraction/harvesting and/or use, ensuring that their sources reflect more than one perspective</p> <p>B2.6 - communicate the results of their inquiries using appropriate vocabulary and formats appropriate for specific audiences</p> <p>B3.1 - identify Earth's renewable, non-renewable, and flow resources and explain their relationship to Earth's physical features</p>
Activity: Ride, Roll and Stroll	A. Physical Patterns in a Changing World	<p>A1.1 - describe various ways in which people have responded to challenges and opportunities presented by the physical environment</p> <p>A2.1 - formulate questions to guide investigations into the impact of natural events and/or human activities that change the physical environment</p> <p>A2.2 - gather and organize data and information from a variety of sources, and using various technologies, on the impact of natural events and/or human activities that change the physical environment, ensuring that their sources reflect more than one perspective</p> <p>A2.4 - interpret and analyse data and information relevant to their investigations, using various tools and spatial technologies</p>
	B. Natural Resources Around the World: Use and Sustainability	<p>B1.2 - analyse natural resource extraction/harvesting and use in some specific regions of the world</p> <p>B2.2 - gather and organize data and information from a variety of sources on the impact of resource extraction/harvesting and/or use, ensuring that their sources reflect more than one perspective</p> <p>B3.1 - identify Earth's renewable, non-renewable, and flow resources and explain their relationship to Earth's physical features</p>

Activity: Speak for the Trees	A. Physical Patterns in a Changing World	<p>A2.1 - formulate questions to guide investigations into the impact of natural events and/or human activities that change the physical environment</p> <p>A2.2 - gather and organize data and information from a variety of sources, and using various technologies, on the impact of natural events and/or human activities that change the physical environment, ensuring that their sources reflect more than one perspective</p> <p>A2.4 - interpret and analyse data and information relevant to their investigations, using various tools and spatial technologies</p> <p>A2.5 - evaluate evidence and draw conclusions about the impact of natural events and/or human activities that change the physical environment</p>
Activity: Taking the Lead	A. Physical Patterns in a Changing World	<p>A2.1 - formulate questions to guide investigations into the impact of natural events and/or human activities that change the physical environment</p> <p>A2.2 - gather and organize data and information from a variety of sources, and using various technologies, on the impact of natural events and/or human activities that change the physical environment, ensuring that their sources reflect more than one perspective</p> <p>A2.4 - interpret and analyse data and information relevant to their investigations, using various tools and spatial technologies</p>
	B. Natural Resources Around the World: Use and Sustainability	<p>B2.6 - communicate the results of their inquiries using appropriate vocabulary and formats appropriate for specific audiences</p> <p>B3.4 - describe the perspectives of different groups regarding the use of the natural environment to meet human needs</p>
Activity: Walk a Mile	A. Physical Patterns in a Changing World	<p>A1.2 - compare and contrast the perspectives of some different groups on the challenges and opportunities presented by the natural environment</p> <p>A2.2 - gather and organize data and information from a variety of sources, and using various technologies, on the impact of natural events and/or human activities that change the physical environment, ensuring that their sources reflect more than one perspective</p> <p>A2.4 - interpret and analyse data and information relevant to their investigations, using various tools and spatial technologies</p>
	B. Natural Resources Around the World: Use and Sustainability	<p>B1.2 - analyse natural resource extraction/harvesting and use in some specific regions of the world</p>