

Current Electricity		Grade 6: Electricity and Electrical Devices	
Curriculum Connections	Topic	Matter and Energy	
	Fundamental Concepts	Energy	
<p>Description Students will learn that current electricity is a flow of electrons through a circuit that is in series or in parallel and they will explore the differences between conductors and insulators.</p>			
<p>Big Ideas Electrical energy can be transformed into other forms of energy. Other forms of energy can be transformed into electrical energy.</p>	<p>Overall Expectations 2. investigate the characteristics of static and current electricity, and construct simple circuits; 3. demonstrate an understanding of the principles of electrical energy and its transformation into and from other forms of energy.</p>		
<p>Specific Expectations 2.2 design and build series and parallel circuits, draw labelled diagrams identifying the components used in each, and describe the role of each component in the circuit 3.1 distinguish between current and static electricity 3.7 describe series circuits (components connected in a daisy chain) and parallel circuits (components connected side by side like the rungs of a ladder) and identify where each is used</p>			