

<b>Chapter 5 Energy &amp; Energy Resources</b>		<b>Chapter 19 Electricity</b>
<b>6.2.3.2.1 p.158-166</b> <b>Lesson 1: Potential Kinetic</b> Analyze situations of <b>energy conversion</b>	<b>6.2.3.2.2 p.168-175</b> <b>Lesson 2: Energy Transformations</b> Trace changes of energy forms including: Electrical, chemical, mechanical, or other devices	<b>6.2.3.2.2 Tracing Energy Changes</b> <b>CH 19 Lesson 1: Static p.679-686</b> <b>CH 19 Lesson 2&amp;3: Current &amp; Circuits p.689-704</b> Trace changes of energy forms including: Electrical, chemical, mechanical, or other devices
<b>Vocabulary:</b> Energy, Kinetic, potential, work, [Mechanical, Sound, Thermal, Electric, Radiant, Nuclear]	<b>Vocabulary:</b> Law of Conservation of Energy Friction	<b>Electrical Static</b> <b>Electrical Chemical Energy (simple circuit)</b>
5 Days	6 Days	6 Days
<b>DAY 1</b> <b>Intro to Energy PPT (Slides 1-22)</b> <b>Video Clip: Basics of Energy.</b> Show only whatever time allows to end the period.  <b>DAY 2</b> <b>P.E &amp; K.E.</b> <b>*Continue Energy PPT (Slides 23-35)</b>  <b>Define Potential and Kinetic Energy</b> <b>*Video Clip: Hoodwinked</b> (located on Science Web Page)  <b>*Energy Book: Explain and make</b>  <b>DAY 3</b> <b>Spool Racers</b> (Pre-read, video clips, directions, activity) <b>Extra Credit: Rollback Can &amp; FreeRider</b>  <b>DAY 4</b> <b>Spool Racer Questions</b> <b>DO: EB Page 1 P.E. &amp; K.E.</b>  <b>DAY 5</b> <b>Energy book buddy check &amp; turn in for Page 1</b> <b>Energy Conversions PPT (Slides 1-17)</b>	<b>DAY 6</b> <b>Energy Conversions Stations Lab w/Energy Forms Sheet</b>  <b>DAY 7</b> <b>Correct Energy Conversion</b> <b>Questions 1-20</b> <b>DO: Energy Transformation Game</b>  <b>DAY 8</b> <b>Pendulum Lab</b>  <b>DAY 9</b> <b>Review Pendulum Lab</b> <b>Create Graph</b> <b>Do Concept wksht on types of energy.</b>  <b>DAY 10</b> <b>Minute to Win it!</b>  <b>DAY 11</b> <b>Rube Goldberg: Cat-traption</b>  <b>DAY 12</b> <b>DO: EB Page 2 Energy Transformations/Conversions</b>  <b>DAY 13: Section 1 Energy Test</b> <b>(P.E. &amp; K.E./Transformations)</b>	<b>DAY 14</b> <b>Static Notes (with static intro demos)</b> <b>Rolling can • Balloons • 3M post it • Video Clip</b>  <b>DAY 15</b> <b>Static Demonstrations Day (Van de Graff)</b> <b>With static video clips</b> <b>BrainPOP: Static Electricity</b>  <b>DAY 16</b> <b>Dry Cells Q &amp; A: Chemical electrical energy</b> <b>View insides of Dry Cell</b> <b>Video Clip: Dry Cell (4:48)</b>  <b>DAY 17</b> <b>VIDEO: Current Electricity (B. Nye)</b> <b>Simple Circuits (1 wire/2 wire)</b>  <b>DAY 17 (optional)</b> <b>Electrical Simulations (COMPUTER LAB)</b>  <b>DAY 18</b> <b>DO: EB Page 3 Static and Chemical Energy</b>

<b>Chapter 20 Magnets</b>		
<b>Magnets and Magnetism</b>	<b>Generating Electricity</b>	<b>Chapter 5 Energy &amp; Energy Resources</b>
<b>6.2.3.2.2</b> <b>Lesson 1 Magnets p. 716- 723</b>  Trace changes of energy forms including: Electrical, chemical, mechanical, or other devices	<b>6.2.3.2.2</b> <b>Lesson 2 Magnets &amp; Electricity p. 726- 723</b> <b>Lesson 3 Making Electric Current p. 734-740</b>  Trace changes of energy forms including: Electrical, chemical, mechanical, or other devices	<b>6.2.3.2.2 p. 176-185</b> <b>CH: 5 Lesson 3: Energy Resources</b>  Trace changes of energy forms including: Electrical, chemical, mechanical, or other devices.
<b>Vocabulary:</b> Magnet, Pole, Force, domain, temporary, permanent	<b>Vocabulary:</b> Electromagnet, Electric Motor, Generator, turbine, AC / DC	<b>Vocabulary:</b> Renewable, nonrenewable, fossil fuel, inexhaustable
3 Days	2 Days	3 Days
<b>DAY 20</b> <b>Magnets PPT</b> <b>Magnetic Fields whsht</b>  <b>DAY 21</b> <b>Video: Magnets (B. Nye)</b> <b>Fun With Magnets</b>  <b>DAY 22</b> <b>Content Practice wksht</b> <b>Lesson Quiz</b> <b>DO: EB Page 4 Magnets (p716-723)</b>	<b>DAY 23</b> <b>Minimal Motor</b>  <b>DAY 24 Section 2 Energy Test</b> <b>(Static, Chemical, Magnets)</b>	<b>DAY 25</b> <b>Generating Electricity PPT</b> <b>Content Builder p. 56</b>  <b>DAY 26</b> <b>Energy Resources POSTER</b>  <b>DAY 27</b> <b>Energy Resources POSTER</b>  <b>DAY 28</b> <b>Energy Resources Lesson Quiz</b> <b>DO: EB Page 5 Generating Electricity</b>  <b>(Optional)</b> <b>Review</b> <b>Test Card</b> <b>ENERGY TEST (Energy Poster)</b>