



7th Grade Science

Choice Board

<p>A. Chemistry of Hand Washing!</p> <p>Go to Canvas (Science) Open Module "Choice Board"</p> <p>Read A1 Article – How Soap Absolutely</p> <p>Complete A2 Hand Washing Model Assignment</p>	<p>B. CK12 17.2 Forms of Energy</p> <p>Watch Intro Video: What is Energy Anyway? https://sno.instructure.com/courses/18052/modules/items/201327</p> <p>Open link below, read and answer all questions. Answers can be put into your comp book.</p> <p>https://www.ck12.org/book/ck-12-physical-science-for-middle-school/section/17.2/</p>	<p>C. Categories of Energy</p> <p>Read both articles online –</p> <p>Article 1: (definitions) https://www.khanacademy.org/science/biology/energy-and-enzymes/the-laws-of-thermodynamics/a/types-of-energy</p> <p>Article 2: (examples) http://steamism.com/physics-types-of-energy/</p> <p>In your comp book define... Kinetic energy: 4 examples:</p> <p>Potential energy: 4 examples:</p>
<p>D. Forms of Energy Video (12 min.)</p> <p>Go to website: https://www.youtube.com/watch?v=DvCWuOuaG_c</p> <p>When you get to min. 3, pause it and create the graphic organizer in your comp book. Complete the</p>	<p>E. Energy Scavenger Hunt (this requires having done boxes B, C and D)</p> <p>In your comp book, identify and list examples of energy that you encounter in your everyday life.</p> <p>By the time you are done you will need to include 3 examples of each type of energy introduced in box C:</p>	<p>F. Video of Energy Labs</p> <p>https://www.teachengineering.org/activities/view/cub_energy2_lesson01_activity1</p> <p>With a parent present, do each experiment. Or just watch the video.</p> <p>In your comp book, make a model of each experiment and label</p>

<p>organizer as you continue watching the video.</p>	<p>Mechanical Thermal (continued on next page) Electrical Sound Chemical Radiant (light) Gravitational Elastic (stored mechanical).</p> <p>*Challenge: Make a poster showing how you use each type of energy in a typical day</p>	<p>types of energy involved. Use arrows and symbols to illustrate what you think is happening.</p>
<p>G. Matter Review and Quiz</p> <p>Go to website: http://www.chem4kids.com/files/matter_intro.html</p> <p>Read all these pages:</p> <ul style="list-style-type: none"> • Overview • States • Phase Change I • Phase Change II • Chem-Phys • Solids • Liquids • Gases • Evaporation • Plasmas • BE Condensate <p>Take the quiz:</p>  <p>Bonus Reading: _____</p> <ul style="list-style-type: none"> • Mixtures I • Mixtures II • Solutions I • Solutions II • Mixture Ex. 	<p>H. Why Are Chemical Reactions Important?</p> <p>Go to this website and read the article: https://www.thoughtco.com/importance-of-chemical-reactions-604047</p> <p>In your comp book list 10 specific ways chemistry is important in your life.</p>	<p>I. Energy Flow Through Ecosystems.</p> <p>Go to Canvas and open: I Reading/Gathering Sheet: Where did all the energy go?</p> <p>Read article on page 3 and fill in the Gathering Sheet.</p>

