

## Standard Course

UNIT	PROJECT	BOOK/ITEM	NOTES
All		<ul style="list-style-type: none"> <li><input type="checkbox"/> Access to research materials (internet, local library, etc.)</li> <li><input type="checkbox"/> A metric/imperial ruler</li> <li><input type="checkbox"/> Kitchen scale</li> <li><input type="checkbox"/> A stopwatch or a timer (smartphone app is OK)</li> <li><input type="checkbox"/> Word processing program. Examples include</li> <li><input type="checkbox"/> Microsoft Word© (purchase required, but often included with PC computers)</li> <li><input type="checkbox"/> Apple Pages© (available free on most Macbook computers)</li> <li><input type="checkbox"/> OpenOffice Writer© (open-source program available for free, PC and Macbook)</li> <li><input type="checkbox"/> Google Docs as a browser alternative</li> <li><input type="checkbox"/> Spreadsheet processing program. Examples include</li> <li><input type="checkbox"/> Microsoft Excel© (purchase required, but often included with PC computers, also available for Macbooks)</li> <li><input type="checkbox"/> Apple Numbers© (available on most Macbook computers)</li> <li><input type="checkbox"/> OpenOffice Calc© (open-source program available for free, PC and Macbook)</li> <li><input type="checkbox"/> Google Sheets as a browser alternative</li> <li><input type="checkbox"/> Access to a printer</li> </ul>	General purchases.





<p><b>2.</b> Structure of Matter Part 1</p>	<p><i>States of Matter</i></p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> 3 cups heavy cream</li> <li><input type="checkbox"/> Mason Jar or similar-sized sealable container</li> <li><input type="checkbox"/> Bowl</li> <li><input type="checkbox"/> Spoon</li> <li><input type="checkbox"/> 4 tablespoons of granulated sugar</li> <li><input type="checkbox"/> 1 teaspoon of vanilla extract</li> <li><input type="checkbox"/> Ice (enough to fill a gallon zip lock bag)</li> <li><input type="checkbox"/> 2/3 cup of rock salt (table salt will work as well)</li> <li><input type="checkbox"/> 2 quart-sized zip lock bags</li> <li><input type="checkbox"/> 2 gallon-sized zip lock bags</li> <li><input type="checkbox"/> Towel or gloves (to protect hands from the</li> <li><input type="checkbox"/> cold)</li> <li><input type="checkbox"/> Measuring cups and spoons</li> </ul>	
<p><b>4:</b> Health and Nutrition</p>	<p><i>Food Record and Essay</i></p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Food record log (provided by lesson)</li> </ul>	
<p><b>6:</b> Energy Part 2</p>	<p><i>Battery Experiment</i></p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Lemon</li> <li><input type="checkbox"/> Potato</li> <li><input type="checkbox"/> Magnetic wire 22AWG</li> <li><input type="checkbox"/> Multimeter (must be sensitive to .1 volts</li> <li><input type="checkbox"/> Galvanized nails (iron or steel will work at</li> <li><input type="checkbox"/> reduced effectiveness)</li> <li><input type="checkbox"/> Standard AA battery</li> <li><input type="checkbox"/> Loose staples</li> <li><input type="checkbox"/> Copper penny or brass nail</li> </ul>	
<p><b>8:</b> Machines Part 2</p>	<p><i>Rube Goldberg Machine Experiment</i></p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Loom</li> <li><input type="checkbox"/> Chosen Materials</li> </ul>	





## Honor Course

Supply list includes all items listed under the Standard Course and the books/items listed below.

UNIT	PROJECT	BOOK/ITEM	NOTE
<p><b>8:</b> Balance in Nature</p>	<p><i>Factors that Affect Germination</i></p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Chia seeds</li> <li><input type="checkbox"/> 6 shallow dishes</li> <li><input type="checkbox"/> Paper towels</li> <li><input type="checkbox"/> Water</li> <li><input type="checkbox"/> Vinegar</li> <li><input type="checkbox"/> Aluminum foil</li> <li><input type="checkbox"/> Clear plastic wrap</li> <li><input type="checkbox"/> Sticky notes or masking tape</li> </ul>	
<p><b>10:</b> Science and Technology</p>	<p><i>Bubble Challenge</i></p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Cups or beakers</li> <li><input type="checkbox"/> Water</li> <li><input type="checkbox"/> Plastic spoons</li> <li><input type="checkbox"/> Salt</li> <li><input type="checkbox"/> Sugar</li> <li><input type="checkbox"/> Liquid detergent</li> <li><input type="checkbox"/> Straws</li> <li><input type="checkbox"/> Ruler</li> </ul>	

