



## PRINTABLE SUPPLY LIST FOR

# Physical Science

## *Standard Course*

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

<p><b>2.</b> <i>Structure of Matter Part 1</i></p>	<p><b>Activity:</b> <i>Exercising Methods of Measurement</i></p>	<ul style="list-style-type: none"> <li>• One regular-shaped object (cube or rectangular prism)</li> <li>• One irregular-shaped object (such as a rock)</li> <li>• Kitchen balance</li> <li>• Ruler (inches)</li> <li>• Large liquid measuring cup or pitcher (units of cups and ounces)</li> <li>• Latex balloon</li> <li>• String</li> <li>• Possibly a pitcher or bucket</li> </ul>	
<p><b>3.</b> <i>Structure of Matter Part 2</i></p>	<p><b>Lab:</b> <i>Red Cabbage Indicator</i></p>	<ul style="list-style-type: none"> <li>• One head of red cabbage (green cabbage will NOT work)</li> <li>• Large kitchen knife and cutting board</li> <li>• Large stock pot</li> <li>• Stove or other controlled heating surface</li> <li>• A pitcher or large bowl</li> <li>• A strainer or colander</li> <li>• Clear cups (plastic or glass)</li> <li>• Measuring spoons (Tablespoon, ½ teaspoon, ¼ teaspoon)</li> <li>• Tape and marker</li> <li>•</li> </ul> <p>At least five of the following liquids</p> <ul style="list-style-type: none"> <li>• Water, Lemon Juice, Milk, Baking soda dissolved in water, Vinegar, Antacid (either dissolve an alka-seltzer tablet in water, or grind up a “Tums” tablet and dissolve in water), Green tea, Coffee or black tea, Simple syrup (table sugar dissolved in water)</li> </ul>	
<p><b>4.</b> <i>Health and Nutrition</i></p>	<p><b>Project:</b> <i>Food Records and Essay</i></p>	<ul style="list-style-type: none"> <li>• Food record log (provided by lesson)</li> </ul>	
<p><b>6.</b> <i>Energy Part 2</i></p>	<p><b>Lab:</b> <i>Building a Solar Oven</i></p>	<ul style="list-style-type: none"> <li>• Cardboard box (such as a pizza box)</li> <li>• Aluminum foil</li> <li>• Plastic wrap</li> <li>• Tape</li> <li>• Thermometer</li> <li>• Plastic ruler or small piece of cardboard</li> <li>• Food to cook (ex. marshmallows)</li> <li>• Paper plate or glass dish</li> <li>• Compass</li> </ul>	

<b>7.</b> <i>Machines  Part 1</i>	<b>Lab:</b> <i>Measuring  Work and  Power</i>	<ul style="list-style-type: none"> <li>• Bathroom Scale</li> <li>• Meter stick or tape measure</li> <li>• Stopwatch</li> <li>• Weights (or a heavy book)</li> <li>• Stairs</li> </ul>	
<b>8.</b> <i>Machines  Part 2</i>	<b>Lab:</b> <i>Calculating  the  Coefficient of  Friction</i>	<ul style="list-style-type: none"> <li>• Two small books (similar size and weight preferable)</li> <li>• Tape</li> <li>• String or twine (about 2 feet long)</li> <li>• Small bag/container (either plastic or cloth)</li> <li>• Kitchen balance</li> <li>• Extra weights (coins, small rocks, etc.)</li> <li>• Two elevated flat surfaces made of different materials</li> </ul>	

*Honor Course*

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