



## PRINTABLE SUPPLY LIST FOR

# Physics

## *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 ruler</li><li>• A stopwatch or a timer (smartphone app is OK)</li><li>• Microsoft® Excel® (or a similar program)</li><li>• Microsoft © Word © (or a similar program)</li></ul>	General purchases.
2. Dynamics	<i>Collision</i>	<ul style="list-style-type: none"><li>• Four marbles (must be same size)</li><li>• Small, paper cup</li><li>• Scissors</li><li>• Meter stick (preferably) or yard stick</li><li>• Three - four cm thick book</li><li>• Food or postage scale (optional)</li></ul>	
3. Latent Heat	<i>Latent Heat</i>	<ul style="list-style-type: none"><li>• Two styrofoam coffee cups (8-oz)</li><li>• Thermometer</li><li>• Small piece of cardboard (to cover top of coffee cup)</li><li>• Small piece of metal (i.e. bolt, nut, etc.)</li><li>• Access to freezer</li><li>• Measuring cup</li><li>• Food or postage scale (if available)</li></ul>	
4. Introduction to Waves	<i>Choose a Product (waves)</i>	<ul style="list-style-type: none"><li>• Supplies depend on what product students choose to create; options will include creating a children's book, essay, experiment, video, song, etc.</li></ul>	

5. Light	<i>Pinhole Camera</i>	<ul style="list-style-type: none"> <li>• Small, cardboard box (i.e. shoe box)</li> <li>• Flat, black paint</li> <li>• Scissors or X-acto knife</li> <li>• Aluminum foil</li> <li>• Wax paper</li> <li>• Needle or pin</li> <li>• Tape (i.e. electrical, duck, or masking)</li> <li>• Lamp with removable shade</li> <li>• Object to view (i.e. tree, vehicle, etc.)</li> </ul>	
6. Static Electricity	<i>Building an Electroscope</i>	<ul style="list-style-type: none"> <li>• Clear, glass jar</li> <li>• Jar lid (or piece of plastic to cover jar opening)</li> <li>• Electrical tape</li> <li>• Ten-inch piece of copper wire (14-gauge or more)</li> <li>• Straw</li> <li>• Scissors</li> <li>• Glue gun or liquid glue</li> <li>• Aluminum foil</li> <li>• Balloon</li> <li>• Wool sock</li> <li>• Other items that hold charge (i.e. shoes with rubber soles)</li> </ul>	
8. Magnetism	<i>Choose a Product (Magnetism)</i>	<ul style="list-style-type: none"> <li>• Supplies depend on what product students choose to create; options will include creating a children's book, essay, experiment, video, song, etc.</li> </ul>	

*Honor Course*

UNIT	PROJECT	BOOK / ITEM	NOTES
8. Magnetism	<i>Magnetism</i>	<ul style="list-style-type: none"> <li>• 2 - 3 D-cell battery</li> <li>• Insulated copper wire</li> <li>• Iron nail</li> <li>• Paper clips, tacks, and/or pins</li> <li>• Compass</li> <li>• Cardboard toilet paper tube</li> <li>• 5" x 5" piece cardboard</li> <li>• Masking tape</li> <li>• Rubber band</li> </ul>	
9. Atomic and Nuclear Physics	<i>Choose a Product (Atoms)</i>	<ul style="list-style-type: none"> <li>• Supplies depend on what product students choose to create; options will include creating</li> <li>• a children's book, essay, experiment, video, song, etc</li> </ul>	