2019-2020 Science Supply List
General Science III
# Table of Contents

UNIT 1: OUR ATOMIC WORLD ....................................................................................................................... 1
UNIT 2: VOLUME, MASS, AND DENSITY ..................................................................................................... 1
UNIT 3: PHYSICAL GEOLOGY ....................................................................................................................... 2
UNIT 4: HISTORICAL GEOLOGY ................................................................................................................... 2
UNIT 5: OCEANOGRAPHY ............................................................................................................................ 3
UNIT 6: ASTRONOMY .................................................................................................................................... 3
UNIT 7: BODY HEALTH (PART 1) .................................................................................................................. 3
UNIT 8: BODY HEALTH (PART 2) ................................................................................................................... 4
UNIT 9: SCIENCE AND TOMORROW ............................................................................................................ 4
UNIT 10: REVIEW ......................................................................................................................................... 4
## UNIT 1: OUR ATOMIC WORLD

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Summary</th>
<th>Video Demo</th>
<th>Supplies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Essay: Reactors</td>
<td>Write a 600 word report discussing nuclear reactors.</td>
<td>No</td>
<td>research resources</td>
</tr>
<tr>
<td>*Special Project</td>
<td>Use this Special Project template to create your own assignment for this unit.</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

## UNIT 2: VOLUME, MASS, AND DENSITY

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Summary</th>
<th>Video Demo</th>
<th>Supplies</th>
</tr>
</thead>
</table>
| Experiment:         | In lesson 1 we looked at volume and some different ways of determining it. In this experiment, we will use some of these techniques to determine the volumes of objects. | No         | • Graduated cylinder  
| Determining Volume  |                                                                         |            | • water                                               |
|                     |                                                                         |            | • assorted small rocks. (Be sure they will fit easily into the graduated cylinder.) |
|                     |                                                                         |            | • A rectangular solid that can be measured, such as a brick or box. |
|                     |                                                                         |            | • meter stick or ruler.                              |
| Experiment: Mass of Gas | Write a report on the mass of gas.                                      | No         | • two balloons of the same size  
|                     |                                                                         |            | • meter stick                                        |
|                     |                                                                         |            | • string                                             |
|                     |                                                                         |            | • paper clips                                         |
| *Special Project    | Use this Special Project template to create your own assignment for this unit. | N/A        | N/A                                                 |
### UNIT 3: PHYSICAL GEOLOGY

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Summary</th>
<th>Video Demo</th>
<th>Supplies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Essay: Volcanic Eruptions</td>
<td>Write a 600-word report on what you learned about volcanic eruptions.</td>
<td>No</td>
<td>• research resources</td>
</tr>
<tr>
<td>Experiment: Specific Gravity</td>
<td>In this experiment, we will measure the specific gravity of rocks.</td>
<td>Yes</td>
<td>• balance with metric masses or spring scale</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• strong thread</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• various rocks</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• beaker</td>
</tr>
<tr>
<td>Experiment: Gravity</td>
<td>In this experiment, we will use a magnet to simulate the amount of gravity exerted on a suspended object by a nearby mountain.</td>
<td>No</td>
<td>• Magnet</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Long string, approximately 1 meter</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Several washers, or other material that would be attracted by a magnet</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Meter stick or ruler</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Balance</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Blank piece of card stock or paper to place behind the washers and string</td>
</tr>
</tbody>
</table>

*Special Project Use this Special Project template to create your own assignment for this unit.

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Summary</th>
<th>Video Demo</th>
<th>Supplies</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Special Project</td>
<td>Use this Special Project template to create your own assignment for this unit.</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### UNIT 4: HISTORICAL GEOLOGY

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Summary</th>
<th>Video Demo</th>
<th>Supplies</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Special Project</td>
<td>Use this Special Project template to create your own assignment for this unit.</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>


## UNIT 5: OCEANOGRAPHY

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Summary</th>
<th>Video Demo</th>
<th>Supplies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Essay: The Moon and Tides</td>
<td>Research and write a short report on the effect of the moon on tidal reaction.</td>
<td>No</td>
<td>• research resources</td>
</tr>
<tr>
<td>Essay: Marine Report</td>
<td>Choose one: Report on fish meal production, the role of fish meal in the food chain process which occurs off the coast of Peru, or on its value as a source of protein compared to other marine life. or Research the life of Jacques Cousteau.</td>
<td>No</td>
<td>• research resources</td>
</tr>
<tr>
<td>*Special Project</td>
<td>Use this Special Project template to create your own assignment for this unit.</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

## UNIT 6: ASTRONOMY

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Summary</th>
<th>Video Demo</th>
<th>Supplies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Essay: Telescopes</td>
<td>Research the critical new developments in telescopes.</td>
<td>No</td>
<td>• research resources</td>
</tr>
<tr>
<td>*Special Project</td>
<td>Use this Special Project template to create your own assignment for this unit.</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

## UNIT 7: BODY HEALTH (PART 1)

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Summary</th>
<th>Video Demo</th>
<th>Supplies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Essay: Medical Science</td>
<td>Write a report on one of the suggested topics: Ancient Medicine, A.D. 1 to the Fourteenth Century, Renaissance Medicine, Through the Nineteenth Century, Twentieth-Century Medicine.</td>
<td>No</td>
<td>• research resources</td>
</tr>
<tr>
<td>*Special Project</td>
<td>Use this Special Project template to create your own assignment for this unit.</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>
### UNIT 8: BODY HEALTH (PART 2)

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Summary</th>
<th>Video Demo</th>
<th>Supplies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Essay: Chemotherapy</td>
<td>Research the importance of chemotherapy.</td>
<td>No</td>
<td>• research resources</td>
</tr>
</tbody>
</table>

*Special Project

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Summary</th>
<th>Video Demo</th>
<th>Supplies</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Special Project</td>
<td>Use this Special Project template to create your own assignment for this unit.</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### UNIT 9: SCIENCE AND TOMORROW

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Summary</th>
<th>Video Demo</th>
<th>Supplies</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Special Project</td>
<td>Use this Special Project template to create your own assignment for this unit.</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### UNIT 10: REVIEW

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Summary</th>
<th>Video Demo</th>
<th>Supplies</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Special Project</td>
<td>Use this Special Project template to create your own assignment for this unit.</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

* indicates an alternative assignment