



# 2017-2018 Science Supply List

## General Science III

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## UNIT 1: OUR ATOMIC WORLD

| Assignment       | Summary  | Video Demo | Supplies           |
|------------------|--|------------|--------------------|
| Essay: Reactors  | Write a 600 word report discussing nuclear reactors.                           | No         | research resources |
| *Special Project | Use this Special Project template to create your own assignment for this unit. | N/A        | N/A                |

## UNIT 2: VOLUME, MASS, AND DENSITY

| Assignment                        | Summary  | Video Demo | Supplies   |
|-----------------------------------|--|------------|--|
| Experiment:<br>Determining Volume | 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         | <ul style="list-style-type: none"> <li>• Graduated cylinder</li> <li>• water</li> <li>• assorted small rocks. (Be sure they will fit easily into the graduated cylinder.)</li> <li>• A rectangular solid that can be measured, such as a brick or box.</li> <li>• meter stick or ruler.</li> </ul> |
| Experiment: Mass of Gas           | Write a report on the mass of gas.   | No         | <ul style="list-style-type: none"> <li>• two balloons of the same size</li> <li>• meter stick</li> <li>• string</li> <li>• paper clips</li> </ul>  |
| *Special Project                  | Use this Special Project template to create your own assignment for this unit.   | N/A        | N/A  |

### UNIT 3: PHYSICAL GEOLOGY

| Assignment                   | Summary  | Video Demo | Supplies   |
|------------------------------|--|------------|--|
| Essay: Volcanic Eruptions    | Write a 600-word report on what you learned about volcanic eruptions.  | No         | <ul style="list-style-type: none"> <li>research resources</li> </ul>   |
| Experiment: Specific Gravity | In this experiment, we will measure the specific gravity of rocks.   | Yes        | <ul style="list-style-type: none"> <li>balance with metric masses or spring scale</li> <li>strong thread</li> <li>various rocks</li> <li>beaker</li> </ul>   |
| Experiment: Gravity          | In this experiment, we will use a magnet to simulate the amount of gravity exerted on a suspended object by a nearby mountain. | No         | <ul style="list-style-type: none"> <li>Magnet</li> <li>Long string, approximately 1 meter</li> <li>Several washers, or other material that would be attracted by a magnet</li> <li>Meter stick or ruler</li> <li>Balance</li> <li>Blank piece of card stock or paper to place behind the washers and string</li> </ul> |
| *Special Project             | Use this Special Project template to create your own assignment for this unit.   | N/A        | N/A  |

### UNIT 4: HISTORICAL GEOLOGY

| Assignment       | Summary  | Video Demo | Supplies |
|------------------|--|------------|----------|
| *Special Project | Use this Special Project template to create your own assignment for this unit. | N/A        | N/A      |

## UNIT 5: OCEANOGRAPHY

| Assignment                | Summary  | Video Demo | Supplies   |
|---------------------------|--|------------|--|
| Essay: The Moon and Tides | Research and write a short report on the effect of the moon on tidal reaction. T   | No         | <ul style="list-style-type: none"> <li>research resources</li> </ul> |
| Essay: Marine Report      | Choose one:<br><br>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.<br><br>or<br><br>Research the life of Jacques Cousteau. | No         | <ul style="list-style-type: none"> <li>research resources</li> </ul> |
| *Special Project          | Use this Special Project template to create your own assignment for this unit.   | N/A        | N/A  |

## UNIT 6: ASTRONOMY

| Assignment        | Summary  | Video Demo | Supplies   |
|-------------------|--|------------|--|
| Essay: Telescopes | Research the critical new developments in telescopes.                          | No         | <ul style="list-style-type: none"> <li>research resources</li> </ul> |
| *Special Project  | Use this Special Project template to create your own assignment for this unit. | N/A        | N/A  |

## UNIT 7: BODY HEALTH (PART 1)

| Assignment             | Summary  | Video Demo | Supplies   |
|------------------------|--|------------|--|
| Essay: Medical Science | 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. | No         | <ul style="list-style-type: none"> <li>research resources</li> </ul> |
| *Special Project       | Use this Special Project template to create your own assignment for this unit.   | N/A        | N/A  |

## UNIT 8: BODY HEALTH (PART 2)

| Assignment          | Summary  | Video Demo | Supplies   |
|---------------------|--|------------|--|
| Essay: Chemotherapy | Research the importance of chemotherapy.                                       | No         | <ul style="list-style-type: none"> <li>research resources</li> </ul> |
| *Special Project    | Use this Special Project template to create your own assignment for this unit. | N/A        | N/A  |

## UNIT 9: SCIENCE AND TOMORROW

| Assignment       | Summary  | Video Demo | Supplies |
|------------------|--|------------|----------|
| *Special Project | Use this Special Project template to create your own assignment for this unit. | N/A        | N/A      |

## UNIT 10: REVIEW

| Assignment       | Summary  | Video Demo | Supplies |
|------------------|--|------------|----------|
| *Special Project | Use this Special Project template to create your own assignment for this unit. | N/A        | N/A      |

\* indicates an alternative assignment