



Items to be purchased

These items should be purchased. Other than the mineral study kit, these supplies will also be used in future courses in the science sequence. (Prices given are for budgeting purposes and subject to change based on suppliers.)

- ┆ Mead Quadrille Notebook (for labs)
 - Each student needs their own notebook. It can be used in multiple courses.
- ┆ Composition or Note-taking notebook (for homework)
- ┆ Blue or Black indelible ink pen
- ┆ Pencils
- ┆ Ruler with both inches and centimeters
- ┆ Thermometer: One of these options (needs to read Celsius and measure as low as 15°C)
 - Recommended: Scientific (\$13) (Amazon)
 - Recommended: Scientific (\$3.30) (HST)
 - Recommended: Digital meat (\$11)
 - Please note: A regular thermometer used for taking one's temperature will not work. The range is not sufficient.
- ┆ Eyedropper (1)
 - Recommended: Pipet (medicine dropper) (50 cents)
 - You may have these from medicine or make-up
- ┆ Mineral Study Kit
 - Please use: Mineral Study Kit, 15 Specimens (\$15.95)

Complete list of materials

What follows is a list of materials for each lab. The majority of the materials are common household items. Students should ensure that all materials are ready before work is begun on each lab throughout the year. Students should always bring their calculator and lab notebook to class. Items listed above are underlined.

Unit 1: Lab Notebook Set-up and Solar System Tour

- ┆ None

Unit 2: Moon Investigation

- ┆ penny
- ┆ quarter
- ┆ flashlight
- ┆ large ball or globe
- ┆ base-ball sized ball

Units 1-8 Materials List

Earth Science



Unit 3: Latitude and Longitude Activity

- None

Unit 4: The Greenhouse Effect and the Cycle of Scientific Enterprise

- Thermometer
- foam or paper cup
- plastic wrap
- Ruler
- desk/ table lamp (preferred) or flashlight
 - The less energy efficient the lightbulb, the better this lab will work

Unit 5: Discovering Jupiter's Moons

- None

Unit 6: Mineral Formation Lab

- Pencil
- String
- Scissors
- ½ cup hot water (Boil just before class and keep as hot as possible)
- Spoon
- 2 glass jars/cups
- Oven mitts OR pot holders (for holding glass jar with hot water)
- Epson salt OR non-Ionized table salt

Unit 7: Mineral Identification Lab

- Mineral Study Kit
- Vinegar
- Eyedropper
- paper towel
- penny
- magnet
- Optional:** Small glass bowl/plate/jar
 - **Note!** This will be used for a hardness test, which means minerals will scratch it

Unit 8: Mineral Identification Lab continued

- Mineral Study Kit
- Vinegar
- Eyedropper

Units 1-8 Materials List

Earth Science



- └ paper towel
- └ penny
- └ magnet
- └ **Optional:** Small glass bowl/plate/jar
 - **Note!** This will be used for a hardness test, which means minerals will scratch it