



Switched-On
SCHOOLHOUSE® 2010 EDITION

Science Lab Supply List

General Science I

Table of Contents

GENERAL SCIENCE I (2010): UNIT 1 - WHAT IS SCIENCE?	1
GENERAL SCIENCE I (2010): UNIT 2 - PERCEIVING THINGS.....	2
GENERAL SCIENCE I (2010): UNIT 3 - EARTH IN SPACE (PART 1)	3
GENERAL SCIENCE I (2010): UNIT 4 - EARTH IN SPACE (PART 2)	4
GENERAL SCIENCE I (2010): UNIT 5 - THE ATMOSPHERE.....	5
GENERAL SCIENCE I (2010): UNIT 6 - WEATHER	6
GENERAL SCIENCE I (2010): UNIT 7 - CLIMATE	7
GENERAL SCIENCE I (2010): UNIT 8 - THE HUMAN ANATOMY (PART 1)	8
GENERAL SCIENCE I (2010): UNIT 9 - THE HUMAN ANATOMY (PART 2)	9
GENERAL SCIENCE I (2010): UNIT 10 - WORKING IN SCIENCE	10

GENERAL SCIENCE I (2010): UNIT 1 - WHAT IS SCIENCE?

Assignment Number	Assignment Title	Project Summary and Supply List	Video Demo
12	Special Project	Special Project assignments are used by teachers to create their own projects if needed.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

GENERAL SCIENCE I (2010): UNIT 2 - PERCEIVING THINGS

Assignment Number	Assignment Title	Project Summary	Video Demo
9	Experiment: Making Graphs	Your goal for this assignment is to design and draw three different graphs based on information given in tables. Supply List: N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Teacher-view Only)
11	Special Project	Special Project assignments are used by teachers to create their own projects if needed.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

GENERAL SCIENCE I (2010): UNIT 3 - EARTH IN SPACE (PART 1)

Assignment Number	Assignment Title	Project Summary	Video Demo
3	Experiment: Constellations	Your goals for this assignment are to draw and construct a Zodiac Constellation Finder and to chart the different constellations as they appear after sunset . Supply List: <ul style="list-style-type: none"> • 2 pieces of thin cardboard • pens and markers • paper fastener 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	Experiment: Astrolabe	Your goals for this assignment are to build an astrolabe, to test the astrolabe by locating and recording positions of heavenly bodies, and to write a report of findings. Supply List: <ul style="list-style-type: none"> • 13 cm by 8 cm by 1½ cm block of wood • 20 cm by 20 cm by 3 cm block of wood • 20 cm by 3 cm by 3 cm block of wood • drinking straw* (GS-STRAWST \$1.00) • 15 cm piece of thread • small metal washer* (GS-WASHERS \$0.75) • 1½ by 8 cm piece of tin (cut from tin can and tapered to sharp point at end) • half-circle protractor* (ME-PROTRSM \$0.75) • full-circle protractor • 5 cm nail* (GS-NAILS \$1.00) • 4 cm nail* (GS-NAILS \$1.00) • glue 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
9	Essay: Galileo	Your goal for this assignment is to write a two-page report using references correctly. Supply List: N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
11	Special Project	Special Project assignments are used by teachers to create their own projects if needed.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

* All items with a * can be ordered at the following website: www.hometrainingtools.com

GENERAL SCIENCE I (2010): UNIT 4 - EARTH IN SPACE (PART 2)

Assignment Number	Assignment Title	Project Summary	Video Demo
11	Special Project	Special Project assignments are used by teachers to create their own projects if needed.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

GENERAL SCIENCE I (2010): UNIT 5 - THE ATMOSPHERE

Assignment Number	Assignment Title	Project Summary	Video Demo
3	Experiment: The Greenhouse	<p>Your goals for this assignment are to construct a simple greenhouse, to measure and record temperatures, and to summarize data.</p> <p>Supply List:</p> <ul style="list-style-type: none"> • two shoe boxes • sheet of clear plastic or pane of glass • two thermometers* <i>(2-ME-THER30A \$2.95)</i> • watch or stop watch 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
9	Special Project	Special Project assignments are used by teachers to create their own projects if needed.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

* All items with a * can be ordered at the following website: www.hometrainingtools.com

GENERAL SCIENCE I (2010): UNIT 6 – WEATHER

Assignment Number	Assignment Title	Project Summary	Video Demo
4	Experiment: Dew Point	<p>Your goals for this assignment are to define dew point, to determine the dew point of the surrounding air, and to collect data and summarize findings.</p> <p>Supply List:</p> <ul style="list-style-type: none"> • shiny metal can • ice cubes • water • thermometer* <p align="right"><i>(ME-THER30A \$2.95)</i></p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
11	Special Project	Special Project assignments are used by teachers to create their own projects if needed.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

* All items with a * can be ordered at the following website: www.hometrainingtools.com

GENERAL SCIENCE I (2010): UNIT 7 – CLIMATE

Assignment Number	Assignment Title	Project Summary	Video Demo
8	Special Project	Special Project assignments are used by teachers to create their own projects if needed.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

GENERAL SCIENCE I (2010): UNIT 8 - THE HUMAN ANATOMY (PART 1)

Assignment Number	Assignment Title	Project Summary	Video Demo
2	Experiment: Cheek Cell	<p>Your goals for this assignment are to collect, observe, and describe cheek cells, guided by the video model, to use science equipment and supplies according to instructions, and to summarize findings based on observations.</p> <p>Supply List:</p> <ul style="list-style-type: none"> • wooden splint* <i>(CE-SPLINTS \$0.75)</i> • iodine solution* <i>(CH-IODINE \$4.00)</i> • slide and cover slip* <i>(MS-SLIDEPL \$1.60)</i> <i>(MS-SLIDCV \$1.60)</i> • microscope* <i>(MI-4100STD \$179.95)</i> • water • tweezers* <i>(DE-FORPLAS \$0.35)</i> • eye dropper* <i>(CE-DROPPER \$0.35)</i> 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
8	Project: Human Brain	<p>Your goals for this assignment are to conduct research of an interesting aspect of the brain using reliable sources, to plan and write a five-hundred word report, and to use and cite references correctly.</p> <p>Supply List: N/A</p>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
11	Special Project	<p>Special Project assignments are used by teachers to create their own projects if needed.</p>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

* All items with a * can be ordered at the following website: www.hometrainingtools.com

GENERAL SCIENCE I (2010): UNIT 9 - THE HUMAN ANATOMY (PART 2)

Assignment Number	Assignment Title	Project Summary	Video Demo
4	Experiment: Heart Rate	Your goals for this assignment are to calculate heart rate using both abbreviated and standard methods, to compare a resting heart rate to a rate following brief exercise, and to record data and summarize findings. Supply List: <ul style="list-style-type: none">• watch with a second hand	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
13	Special Project	Special Project assignments are used by teachers to create their own projects if needed.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

GENERAL SCIENCE I (2010): UNIT 10 - WORKING IN SCIENCE

Assignment Number	Assignment Title	Project Summary	Video Demo
2	Experiment: Red Celery	<p>Your goals for this assignment are to perform an experiment following the scientific method and to record and summarize their findings.</p> <p>Supply List:</p> <ul style="list-style-type: none"> • stalk of celery • red food coloring • half a glass of water • sharp knife • teaspoon 	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
17	Special Project	Special Project assignments are used by teachers to create their own projects if needed.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No