



Switched-On

SCHOOLHOUSE® 2012 EDITION

Supply List

General Science I

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Please have a pencil, paper and access to a printer available for all projects by default.

UNIT 1: WHAT IS SCIENCE?

Assignment # and Title	Project Summary	Video Demo	Materials Needed
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	N/A

UNIT 2: PERCEIVING THINGS

Assignment # and Title	Project Summary	Video Demo	Materials Needed
9. Experiment: Making Graphs	In this experiment, you will be designing three graphs based on information given to you in tables.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> reference material graph paper
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	N/A

UNIT 3: EARTH IN SPACE (PART 1)

Assignment # and Title	Project Summary	Video Demo	Materials Needed
3. Experiment: Constellations	In this experiment you will draw and construct a Zodiac Constellation Finder, and chart the different constellations as they appear after sunset	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<ul style="list-style-type: none"> pens markers paper fastener
6. Experiment: Astrolabe	In this experiment you will build your own astrolabe like early astronomers did.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<ul style="list-style-type: none"> 13 cm by 8 cm by 1 ½ cm block of wood 20 cm by 3 cm by 3 cm block of wood small metal washer half-circle protractor full-circle protractor 5 cm nail 20 cm by 20 cm by 3 cm block of wood drinking straw 15 cm piece of thread 1 ½ by 8 cm of tin (cut from tin can tapered to sharp point at end) 4 cm nail glue
9. Essay: Galileo	In this essay you will write about the imprisonment of Galileo for his beliefs.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> reference material
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	N/A

UNIT 4: EARTH IN SPACE (PART 2)

Assignment # and Title	Project Summary	Video Demo	Materials Needed
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	N/A

UNIT 5: THE ATMOSPHERE

Assignment # and Title	Project Summary	Video Demo	Materials Needed
3. Experiment: The Greenhouse	In this experiment you will create your own "greenhouse" to demonstrate the greenhouse effect. Then you will summarize the data you collect in a report.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<ul style="list-style-type: none"> sheet of clear plastic or pane of glass two thermometers watch or stop watch two shoe boxes
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	N/A

UNIT 6: WEATHER

Assignment # and Title	Project Summary	Video Demo	Materials Needed
4. Experiment: Dew Point	In this experiment you will attempt to determine the dew point.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<ul style="list-style-type: none"> shiny metal can ice cubes thermometer water stir rod or spoon
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	N/A

UNIT 7: CLIMATE

Assignment # and Title	Project Summary	Video Demo	Materials Needed
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	N/A

UNIT 8: THE HUMAN ANATOMY (PART 1)

Assignment # and Title	Project Summary	Video Demo	Materials Needed
2. Experiment: Cheek Cell	In this experiment you will analyze your own cheek cells, and summarize your findings based on observations.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<ul style="list-style-type: none"> wooden splint iodine solution slide and cover slip eye dropper microscope water tweezers
8. Project: Human Brain	In this project, you will research some interesting aspect of the function of the brain and write a 500-word report on that feature.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> reference material
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	N/A

UNIT 9: THE HUMAN ANATOMY (PART 2)

Assignment # and Title	Project Summary	Video Demo	Materials Needed
4. Experiment: Heart Rate	In this investigation, you will take your own pulse and a friend's to measure the rate of the beating of your hearts. Then, you will see what happens to your heart rates after strenuous exercise.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> • Watch with a second hand
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	N/A

UNIT 10: WORKING IN SCIENCE

Assignment # and Title	Project Summary	Video Demo	Materials Needed
2. Experiment: Red Celery	In this experiment you will use the scientific method to perform an actual experiment. You will then record and summarize your findings.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<ul style="list-style-type: none"> • stalk of celery • red food coloring • sharp knife • half a glass of water • teaspoon
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	N/A