

Otter's Elementary Homeschool Science Supply List

Topic	Supplies
Week 1 Cells	<p><i>Taking a temperature</i></p> <p>Thermometer</p>
Week 2 DNA and Genes	<p><i>Have Your DNA and eat it too</i></p> <p>2 pieces of red licorice, 12 toothpicks, bag of small colored marshmallows, 5 paper clips, masking tape</p>
Week 3 DNA and Genes	No supplies needed
Week 4 Skeleton	<p><i>Experiment: Knot a bone</i></p> <p>Hydrochloric or muriatic acid (or vinegar will also work), chicken bone</p>
Week 5 Skeleton	<p><i>Dissect a bone</i></p> <p>Soup bone, cutting tools</p> <p><i>Great Thumbless Survival Test</i></p> <p>tape</p>
Week 6 Muscles	<p><i>Model arm</i></p> <p>Cardboard squares or paper towel tubes, balloons, paper clip</p> <p><i>Magnifying muscles</i></p> <p>Piece of steak or chicken, magnifying glass or microscope, optional stain: red and blue food coloring, alcohol</p> <p><i>Hairpin dance</i></p> <p>Hair pin or bent wire</p>
Week 7 Muscles	<p><i>Tendon, joint dissection</i></p> <p>Chicken leg with attached thigh, cutting tool</p>

<p>Week 8 Brain and nervous system</p>	<p><i>Brain dissection</i></p> <p><a href="#">Sheep brain</a>, cutting tools</p> <p><i>Dollar drop</i></p> <p>Dollar bill or piece of paper</p>
<p>Week 9 Brain and nervous system</p>	<p><i>Muscle Learning</i></p> <p>Ruler</p> <p><i>Dominance tests</i></p> <p>ball</p>
<p>Week 10 Eyes, The Sense of Sight</p>	<p><i>Keep your eye on the ball</i></p> <p>ball, homemade eye patch</p> <p><i>Hole in your hand</i></p> <p>Sheet of paper</p> <p><i>Stereo Vision</i></p> <p>Cardboard rectangle, clay, string or tape</p> <p><i>Eye observation</i></p> <p>Mirror, flashlight</p>
<p>Week 11 Eyes, Illusions and Senses</p>	<p><i>Eye dissection</i></p> <p><a href="#">Cow eye dissection kit</a> OR watch a cow eye dissection <a href="#">online</a></p> <p><i>Peripheral vision test</i></p> <p>red, yellow, blue, black, white and green paper squares; clothes pin (to hold the squares)</p>

<p>Week 12 Ears, Hearing, More about Senses</p>	<p><i>Sound scope</i></p> <p>Soup can, balloon, small piece of broken mirror, rubber band</p> <p><i>Ear canal meet your eustachians</i></p> <p>Pen flashlight, otoscope cups or homemade paper cones using tape</p> <p><i>Two ears are better than one</i></p> <p>Watch, blindfold</p> <p><i>Tuning fork test</i></p> <p>All metal kitchen or table fork, metal surface (like a pot)</p>
<p>Week 13 Ears, Hearing, More about Senses</p>	<p><i>The will to keep still</i></p> <p>Pin, cork, clay, lamp or strong flashlight</p> <p><i>Lag behind effect</i></p> <p>Powdery substance (cinnamon or ?) or glitter will also work</p>
<p>Week 14 Heart</p>	<p><i>Tennis ball squeeze</i></p> <p>Tennis ball</p> <p><i>Stethoscope</i></p> <p>Rubber tubing, funnel (or \$6 stethoscope from <a href="#">Home Science Tools</a>)</p> <p><i>Heart dissection</i></p> <p>Animal heart from grocery store or <a href="#">Home Science Tools</a></p> <p><i>Tourniquet</i></p> <p>Cloth like a handkerchief</p> <p><i>Under your tongue</i></p> <p>Mirror, flashlight</p> <p><i>Matchstick pulse meter</i></p> <p>Clay, matchstick (or similar), optional thumbtack</p>

<p>Week 15 Blood</p>	<p><a href="#">Blood typing kit</a> from Home Science Tools</p> <p><i>You Try It (Squirt!)</i></p> <p>Balloon, one thin latex glove (or balloon). permanant marker</p>
<p>Week 16 Lungs, The Sense of Smell</p>	<p><i>Model lung</i></p> <p>Soda bottle, straw, balloons (2), rubber band</p> <p><i>Charting oxygen intake</i></p> <p>Clock with a 2nd hand</p> <p><i>Lung capacity</i></p> <p>Gallon jar, rubber hose, funnel or cut away plastic bottle</p> <p><i>In the bag</i></p> <p>Plastic bag</p> <p><i>Lung exhaust</i></p> <p>Plastic bag, candle, jar</p>
<p>Week 17 Digestion, Teeth, The Sense of Taste</p>	<p><i>Casting</i></p> <p>Clay, plaster of paris</p> <p><i>Nippers, rippers, grinders test</i></p> <p>Various foods with different textures to chew up</p> <p><i>Tooth dissection</i></p> <p>A “lost” tooth and hammer</p> <p><i>Acid attack</i></p> <p>Egg, vinegar, soda pop (with sugar)</p> <p><i>Red alert</i></p> <p>Disclosing tablets (get them from a local dentist or?)</p>

<p>Week 18 Digestion and Elimination</p>	<p><i>Starch and spit test</i></p> <p>Soda cracker, corn starch</p> <p><i>Kitchen chemistry</i></p> <p>Brown paper bag squares, tincture of iodine, different foods, OPTIONAL: solution of potassium or sodium hydroxide, diluted copper sulfate solution</p>
<p>Week 19 Nutrition</p>	<p>Supplies from the Magic School Bus <a href="#">The Young Scientist Club: The World of Germs Kit</a></p>
<p>Week 20 Nutrition</p>	<p>Nothing scheduled (yet)</p>
<p>Week 21 Nutrition</p>	<p>Nothing scheduled (yet)</p>
<p>Week 22 Urinary System</p>	<p><i>Liquidation</i></p> <p>Wide mouth jar</p> <p><i>Kidney dissection</i></p> <p><a href="#">Sheep Kidney</a>, cutting tools</p>
<p>Week 23 Endocrine System, Growth, Development and Reproduction</p>	<p>No supplies needed</p>

<p>Week 24 Skin, Nails, Hair, the Sense of Touch</p>	<p><i>Quick cool</i></p> <p>Rubbing alcohol, cotton balls</p> <p><i>Sweaty palms</i></p> <p>Corn starch, iodine</p> <p><i>Skin prints</i></p> <p>tape (or ink pad)</p> <p><i>Map the back of your hand</i></p> <p>Ice</p> <p><i>Touchy points</i></p> <p>Cardboard, pins</p>
<p>Week 25 Germs</p>	<p>Supplies from the Magic School Bus <a href="#">The Young Scientist Club: The World of Germs Kit</a></p> <p><a href="#">Glo Germ Mini Handwashing Kit</a></p> <p>or</p> <p><a href="#">Glo Germ Gel Kit</a> (more expensive, but it has a bigger black light and more gel)</p> <p><a href="#">Glo Germ powder</a> (optional) - The powder will make it so you can do all of the experiments on <a href="#">this page</a>.</p>

<p>Week 26 Germs</p>	<p>Supplies from the Magic School Bus <a href="#">The Young Scientist Club: The World of Germs Kit</a></p> <p>Great Big Book of Tiny Germs:</p> <p>(optional) Experiment: How can we grow germs to study them?</p> <p>Supplies: bouillon cubes or powder, sugar, 1 envelope gelatin, 5 foil muffin cups</p> <p>Experiment: How can chemicals pass in and out of a cell?</p> <p>Supplies: Liquid vanilla extract, balloon</p> <p>Experiment: How does a bacteriophage get into a cell without destroying it?</p> <p>Supplies: balloon, cooking oil, wooden skewer or toothpick</p> <p>Activity: What happens when germs divide?</p> <p>Supplies: paper, ink pad, eraser</p>
<p>Week 27 Diseases &amp; Parasites</p>	<p>Supplies from the Magic School Bus <a href="#">The Young Scientist Club: The World of Germs Kit</a></p> <p>Great Big Book of Tiny Germs:</p> <p>Experiment: How do we keep germs from invading our food?</p> <p>Supplies: any vegetable, four clean glasses, salt, sugar, vinegar, homemade labels</p> <p>Experiment: How does alcohol kill germs?</p> <p>Supplies: water, rubbing alcohol, waxed paper, toothpick</p> <p>Experiment: How do germs pass from person to person?</p> <p>Supplies: any kind of glitter</p> <p>Experiment: How does a microscope work?</p> <p>Supplies: thin cardboard (cereal box), plastic wrap, scissors, tape, water</p>

<p>Week 28 Diseases &amp; Parasites</p>	<p>Supplies from the Magic School Bus <a href="#">The Young Scientist Club: The World of Germs Kit</a></p> <p>Great Big Book of Tiny Germs:</p> <p>(optional) Experiment: How can we see cells?</p> <p>Supplies: foil, flashlight, rubber band, pin, paper, knife, onion, picture frame with a glass front</p> <p>Experiment: How can we keep germs from getting inside us?</p> <p>Supplies: 2 ziplock bags, dirt, bread, paper towel</p> <p>Experiment: Why do we keep food in refrigerators?</p> <p>Supplies: 2 clean soda bottles, water, yeast, sugar, 2 balloons</p>
<p>Week 29 Fighting Disease</p>	<p>Supplies from the Magic School Bus <a href="#">The Young Scientist Club: The World of Germs Kit</a></p>
<p>Week 30 Fighting Disease</p>	<p>Supplies from the Magic School Bus <a href="#">The Young Scientist Club: The World of Germs Kit</a></p>
<p>Week 31 Drugs and Your Body</p>	<p>No supplies needed</p>
<p>Week 32 First Aid and Survival</p>	<p>No supplies needed</p>
<p>Week 33 First Aid and Survival</p>	<p>No supplies needed</p>

Thanks to Wanda for the idea to make this list a PDF. ☺