

Guest Hollow's High School Anatomy Curriculum Lab, Activities, and Supply List

Parents: Please provide supervision for all labs and activities!

Week 1
Taking a human temperature <ul style="list-style-type: none">• Thermometer Microscope lab: <ul style="list-style-type: none">• Human squamous epithelium, smear
Week 2
Make an edible model of DNA <ul style="list-style-type: none">• 2 pieces of red licorice, 12 toothpicks, bag of colored marshmallows, 5 paper clips, masking tape
Week 4
Tie a knot in a bone <ul style="list-style-type: none">• Vinegar, chicken bone Microscope lab: <ul style="list-style-type: none">• Bone marrow, red, section, Human bone, ground, c.s.
Week 5
Dissect a bone <ul style="list-style-type: none">• Soup bone, cutting tools Shrinking throughout the day measuring activity <ul style="list-style-type: none">• Tape measure Surviving without thumbs <ul style="list-style-type: none">• Tape
Week 6
Make a model of how an arm works <ul style="list-style-type: none">• cardboard squares or paper towel tubes, balloons, paper clip Magnify muscles <ul style="list-style-type: none">• piece of steak or chicken, magnifying glass or microscope, optional stain: red and blue food coloring, alcohol Observe tiny contractions in muscles <ul style="list-style-type: none">• hair pin or bent wire Microscope lab: <ul style="list-style-type: none">• Human muscle, striated, l.s.
Week 7
Calisthenics for your face <ul style="list-style-type: none">• No supplies needed Muscle, tendon, and joint dissection <ul style="list-style-type: none">• chicken leg (with attached thigh), cutting tool Increasing flexibility <ul style="list-style-type: none">• No supplies needed
Week 8
Sheep brain dissection <ul style="list-style-type: none">• <u>Sheep brain</u> Can't afford or don't want a dissection kit? <u>Watch a video of a sheep brain dissection online!</u> Knee reflex <ul style="list-style-type: none">• Table or chair to sit on Limb levitation <ul style="list-style-type: none">• Access to doorway

<p>Reflex test</p> <ul style="list-style-type: none"> dollar bill or paper
<p>Week 9</p> <p>Muscle learning, force of habit</p> <ul style="list-style-type: none"> ruler, clock with a 2nd hand, paper, pen or pencil <p>Dominance test</p> <ul style="list-style-type: none"> ball <p>Microscope lab:</p> <ul style="list-style-type: none"> Human cerebrum, section
<p>Week 10</p> <p>Eye teamwork</p> <ul style="list-style-type: none"> eye patch (make a homemade one), small ball <p>Vision tricks (Seeing is believing, hole in your hand, stereo vision)</p> <ul style="list-style-type: none"> sheet of paper, cardboard rectangle, clay, string or tape, 2 small objects <p>Eye observation, blind spot</p> <ul style="list-style-type: none"> mirror, flashlight
<p>Week 11</p> <p>Cow eye dissection</p> <ul style="list-style-type: none"> <u>Cow eye</u> Can't afford or don't want a cow eye dissection kit? Watch one online! <p>Shifty eyed, sight at night</p> <ul style="list-style-type: none"> No supplies needed <p>Peripheral vision test</p> <ul style="list-style-type: none"> red, yellow, blue, black, white and green paper squares; clothes pin (to hold the squares)
<p>Week 12</p> <p>Make a sound scope</p> <ul style="list-style-type: none"> soup can, balloon, small piece of mirror, rubber band <p>Meet your Eustachians</p> <ul style="list-style-type: none"> pen flashlight, otoscope cups or homemade paper cones using tape <p>Two ears are better than one</p> <ul style="list-style-type: none"> watch, blindfold <p>Tuning fork test</p> <ul style="list-style-type: none"> all metal kitchen or table fork, metal surface (like a pot)
<p>Week 13</p> <p>The will to keep still</p> <ul style="list-style-type: none"> pin, cork, clay, lamp or strong flashlight <p>Ear fluid lags behind</p> <ul style="list-style-type: none"> powdery substance (cinnamon or ?) or glitter will also work <p>Upright without sight</p> <ul style="list-style-type: none"> Binoculars <p>Balance reflexes - whirls</p> <ul style="list-style-type: none"> A partner, optional: a swing
<p>Week 14</p> <p>Tennis ball squeeze (how your heart works and sounds)</p> <ul style="list-style-type: none"> Tennis ball, rubber tubing, funnel (or \$6 stethoscope from Home Training Tools) <p>Heart dissection</p> <ul style="list-style-type: none"> animal heart from grocery store or Home Training Tools <p>Tourniquet & under your tongue, matchstick pulse meter</p> <ul style="list-style-type: none"> cloth like a handkerchief, mirror, flashlight, clay, matchstick, optional thumbtack

<p>Microscope lab:</p> <ul style="list-style-type: none"> • Bone marrow, red, section Human blood, Wright's stain, smear Human muscle, cardiac, l.s. Human myocardium infarct, section*
<p>Week 15</p>
<p>Blood typing lab</p> <ul style="list-style-type: none"> • Blood typing kit from Home Science Tools <p>Microscope lab:</p> <ul style="list-style-type: none"> • Human blood, anemia, smear* Human capillary tumor, section*
<p>Week 16</p>
<p>Percussing, make a model lung</p> <ul style="list-style-type: none"> • soda bottle, straw, balloons (2), rubber band <p>Charting oxygen intake, lung capacity</p> <ul style="list-style-type: none"> • clock with a 2nd hand, gallon jar, rubber hose, funnel or cut away plastic bottle <p>In the bag, lung exhaust, nose and throat connection, hold your tongue</p> <ul style="list-style-type: none"> • plastic bag, candle, jar <p>Microscope lab:</p> <ul style="list-style-type: none"> • Human lung, section Human lung cell cancer, section* Human lung tuberculosis, section*
<p>Week 17</p>
<p>Make a cast of your teeth to examine</p> <ul style="list-style-type: none"> • clay, plaster of Paris <p>Nippers, rippers, and grinders test</p> <ul style="list-style-type: none"> • various foods with different textures to chew up <p>Tooth dissection</p> <ul style="list-style-type: none"> • a "lost" tooth and hammer <p>Acid attack, red alert</p> <ul style="list-style-type: none"> • egg, vinegar, soda pop (with sugar), dental disclosing tablets <p>Microscope lab:</p> <ul style="list-style-type: none"> • Human liver, section Human salivary gland, section Human stomach, section
<p>Week 18</p>
<p>Starch and spit test</p> <ul style="list-style-type: none"> • soda cracker, corn starch <p>Kitchen chemistry</p> <ul style="list-style-type: none"> • brown paper squares (grocery bag), tincture of iodine, different foods, Optional: solution of potassium or sodium hydroxide, diluted copper sulfate solution <p>Microscope lab:</p> <ul style="list-style-type: none"> • Human gallbladder cholecystitis* Human intestines adenoma, section* Human liver cell cancer, section* Human liver fatty denaturation, section*
<p>Week 19</p>
<p>Exploring yeast</p> <ul style="list-style-type: none"> • The World of Germs Kit supplies, measuring cups, water, sugar, vegetable oil, salt, flour, mixing bowls

Week 22
Kidney dissection <ul style="list-style-type: none"> • sheep kidney from Home Training Tools,
Week 24
Evaporation on your skin <ul style="list-style-type: none"> • rubbing alcohol, cotton balls Skin prints <ul style="list-style-type: none"> • corn starch, iodine Map the back of your hand <ul style="list-style-type: none"> • ice, cardboard, pins
Week 25
Growing mold <ul style="list-style-type: none"> • The World of Germs Kit supplies, piece of bread, water Hand washing experiment <ul style="list-style-type: none"> • Glo-Germ Mini hand washing Kit
Week 26
Keep mold from growing <ul style="list-style-type: none"> • The World of Germs Kit, piece of bread, water, cup, Does yogurt contain living microbes? <ul style="list-style-type: none"> • yogurt
Week 27
Does soap really work? Does toothpaste kill bacteria? <ul style="list-style-type: none"> • The World of Germs Kit supplies, soap, toothpaste
Week 28
Who has the cleanest toes? <ul style="list-style-type: none"> • The World of Germs Kit supplies
Week 29
How do antibiotics really work? <ul style="list-style-type: none"> • The World of Germs Kit supplies
Week 31
Egg baby project <ul style="list-style-type: none"> • Egg and things to decorate it, etc.