

WEEK #	LAB #	LAB NAME	COMMON ITEMS (can be bought anywhere)	MATERIALS YOU NEED TO PURCHASE OR BORROW-HST (Home science tools) or Amazon	Prices/links
				<b>Buy online asap</b>	<b>Item used in multiple labs</b>
1	1	<b>Microscopes</b>	tweezers		
		If you would rather look up images online then you do not need these supplies	cotton	Microscope, slides, covers, pipet, stains, tweezers, etc. 40-1000X \$155	<a href="https://amscope.com/collections/value-bundles/products/m150c-sp14-cl-50p100s-wm">https://amscope.com/collections/value-bundles/products/m150c-sp14-cl-50p100s-wm</a>
			lowercase letter "e". cut out of magazine	we will use this kit for many labs. Highly recommend that you buy it.	Will need this kit for labs #1, #3, #4, #7, #8, #9
			Clear ruler-metric		
			microscope slides-2 (in kit)		
			coverslips-2 (in kit)		
2	2	<b>Enzymes Lab</b>	Hydrogen peroxide 3% -75 ml	25 ml graduated cylinder \$2.15	<a href="https://www.homesciencetools.com/product/graduated-cylinder-polypropylene-25-ml/?gclid=EAlaQobChMIpLem0NOb6wIVCNbACh2QpgFJEAQYA_SABEgLYxfD_BwE">https://www.homesciencetools.com/product/graduated-cylinder-polypropylene-25-ml/?gclid=EAlaQobChMIpLem0NOb6wIVCNbACh2QpgFJEAQYA_SABEgLYxfD_BwE</a>
			Potato-1/4 raw (pureed)		
			Potato-1/4 cooked (pureed)		
			dash of dish soap		
			iodine-1 tbsp.	dialysis tubing \$2.30	<a href="https://www.homesciencetools.com/search?search_query=dialysis+tubing">https://www.homesciencetools.com/search?search_query=dialysis+tubing</a>
			Karo syrup (light)-2 tbsp.		
			Corn Starch- 2 tbsp.		
			Pipet		
3	3	<b>Cytology - The Study of Cells</b>	flat toothpicks-2	iodine (or stain) in microscope kit (lab #1)	

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		Optional: look at pictures of these structures online and fill in your data sheets	onion-1-white or yellow	microscope slides in microscope kit (lab #1)	
			knife-1	Coverslips-in microscope kit (lab #1)	
				slide preparer-in microscope kit (lab #1)	
				microscope (lab #1)	
				* all contained in microscope kit (lab #1)	
				* microscope	
				* coverslips-2	
				* Pipet-1	
				*microscope slides-2	
				* Iodine	
				* Methylene blue	
				*tweezers	
4	4	<b>Photosynthesis Lab</b>	baking soda-2 tbsp.	large test tubes-2 \$1.80	<a href="https://www.homesciencetools.com/product/test-tubes-large-16-x-150-mm/">https://www.homesciencetools.com/product/test-tubes-large-16-x-150-mm/</a>
		Optional online virtual lab	bright light	anacharis/elodea	Petco or aquarium store (call ahead to make sure they have it-you'll need 1 sprig of it)
				Ruler	
				Sharpie	
				cup- holds about 2 cups	
4	4	<b>Fermentation Lab</b>	Karo light corn syrup-15 ml	large test tubes-2-used in lab #5	<a href="https://www.homesciencetools.com/product/test-tubes-large-16-x-150-mm/">https://www.homesciencetools.com/product/test-tubes-large-16-x-150-mm/</a>

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			yeast packet-1	small graduated test tubes (w/screw cap) - 6 \$2.95 OR use 9" ballons-2, duct tape- 1 ft. and pipets-2	<a href="https://www.homesciencetools.com/product/test-tubes-plastic-16-x-120-mm-6-pack/?nosto=nosto-page-search1">https://www.homesciencetools.com/product/test-tubes-plastic-16-x-120-mm-6-pack/?nosto=nosto-page-search1</a>
			Choice of sugars (corn syrup, honey, etc 1 cup of each) + 1 packet Splenda		
5	5	<b>Protein Synthesis</b>	5 diff. colors of gumdrops or colored marshmallows		
			toothpicks-1 box		
			licorice strips-4		
			large marshmallows-8		
			Small marshmallows (10)		
6	6	<b>Mitosis/cell cycle</b>			
				<b>All slides are optional-can look up pictures online also</b>	
				onion root tip slide-\$3.40	<a href="https://www.homesciencetools.com/search?search_query=onion+root+tip">https://www.homesciencetools.com/search?search_query=onion+root+tip</a>
				microscope- from kit lab #1	
7	7	<b>Blood Typing</b>		Blood typing kit-\$12.40 Highly Recommend	<a href="https://www.homesciencetools.com/product/eldoncard-blood-test-kit/">https://www.homesciencetools.com/product/eldoncard-blood-test-kit/</a>
8	8	<b>Allele Frequency Sickle Cell</b>	Large lima beans, 1-bag		
			Kidney beans, 1 bag		
			paper lunch bag-1		
			penny		
			5 containers to put beans in		

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9	9	<b>Classification Lab</b>	bread tie-1 metal brad-1 paper clip-1 pencil-1 eraser-1 rubber band-1 glass (microscope slide) -1 marble-1 dried bean-1 ziplock bag-1		
10	10	<b>Gene Frequency</b>	kidney beans-75 Lima Beans-25		
		<b>Evolution lab</b>	coin-1 (for flipping) cups-4 (approx. 8 oz each) paper lunch bag-1 1/2 pound pinto beans		
11	11	<b>Bacteria</b>	Boiled water	3 sterile nutrient agar plates-\$12.50 Highly recommend	<a href="https://www.homesciencetools.com/product/nutrient-agar-prepared-media-plates-5-pack/">https://www. homescienceto ols. com/product/nut rient-agar- prepared- media-plates-5- pack/</a>
		Hand-washing vs. antibac gel	sharpie-1	Sterile swabs (6)-\$.90	<a href="https://www.homesciencetools.com/product/swab-applicator-sterile/">https://www. homescienceto ols. com/product/sw ab-applicator- sterile/</a>
		instead of agar plates you can make your own petri dishes with plain jello-use only 1/2 the amount of water MUST MAKE AT HOME SEVERAL DAYS PRIOR TO CLASS	Hand-sanitizer (1 small bottle) & hand- washing soap (1 small bottle)	Order or make petri dish plates in time to bring to ZOOM CLASS with you	

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		<b>Bacteria-2</b>		slide of coccus, bacillus and spirillum bacteria \$4.05	<a href="https://www.homesciencetools.com/search.php?search_query=coccus+bacillus+spirillum+slides">https://www.homesciencetools.com/search.php?search_query=coccus+bacillus+spirillum+slides</a>
12	12	<b>Protists</b>		<b>All slides are optional</b>	
		protist slides can be viewed online for free		Protozoa mix slide (amoeba, paramecium, euglena) \$5.80	<a href="https://www.homesciencetools.com/product/protzoa-mix-slide-wm/">https://www.homesciencetools.com/product/protzoa-mix-slide-wm/</a>
				volvox \$2.90	<a href="https://www.homesciencetools.com/product/volvox-green-algae-slide-wm/">https://www.homesciencetools.com/product/volvox-green-algae-slide-wm/</a>
				diatoms \$3.35	<a href="https://www.homesciencetools.com/product/diatoms-mixed-wm/">https://www.homesciencetools.com/product/diatoms-mixed-wm/</a>
				dinoflagellates \$3.60	<a href="https://www.homesciencetools.com/product/dinoflagellate-ceratium-slide-wm/">https://www.homesciencetools.com/product/dinoflagellate-ceratium-slide-wm/</a>
13	13	<b>Fungi</b>	mushrooms-2 (regular cheap ones)	<b>All slides are optional</b>	
		Fungi slides can be viewed online for free	scalpel or sharp knife-1	Rhizopus \$3.25	<a href="https://www.homesciencetools.com/search?search_query=rhizopus+nigricans+prepared+slide">https://www.homesciencetools.com/search?search_query=rhizopus+nigricans+prepared+slide</a>
			paper plate-1	Penicillium \$3.25	<a href="https://www.homesciencetools.com/product/penicillium-blue-mold-slide-wm/">https://www.homesciencetools.com/product/penicillium-blue-mold-slide-wm/</a>

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			tape- 1 piece	Coprinus slide \$3.45	<a href="https://www.homesciencetools.com/search?search_query=coprinus">https://www.homesciencetools.com/search?search_query=coprinus</a>
			Brewers Yeast-1 pack		
14	14	Study for Practicum	Study for Practicum	Study for Practicum	
15	15	Practicum test online	Practicum test online	Practicum test online	
16	16	<b>Leaves</b>	leaf- citrus is best	Leaf Cross section slide \$3.45	<a href="https://www.homesciencetools.com/product/ficus-dicot-leaf-slide-cs/">https://www.homesciencetools.com/product/ficus-dicot-leaf-slide-cs/</a>
			clear nail polish	or can see slide online	
			clear tape (like packing tape)		
17	17	<b>Flowers</b>	Flowers (lily and various others)		
			scissors		
			magnifying glass		
			alfalfa sprouts		
			Green bean pod		
18	18	<b>Comparative Anatomy</b>	earthworm-in kit	Highly recommend! \$59.15	<a href="https://www.homesciencetools.com/product/advanced-dissection-kit/#description-anchor">https://www.homesciencetools.com/product/advanced-dissection-kit/#description-anchor</a>
			crayfish (dead)-in kit	kit includes specimens for 5 labs and a full dissection kit	
			cricket	pet store	
			mealworm	pet store	
			magnifying glass		
19	19	<b>Earthworm Dissection</b>	preserved earthworm- in kit	In lab kit from week 18	

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			pins	Dissection kit in lab kit from week 18	
			cardboard to dissect on		
			scissors or scalpel	in kit	
			magnifying glass		
20	20	<b>Fish and Shark Dissection</b>	Fresh fish -in kit	Fish in lab kit from week 18	
				Preserved Shark \$18.50	<a href="https://www.homesciencetools.com/product/dogfish-shark-18-22-inches-double-injected-specimen/">https://www.homesciencetools.com/product/dogfish-shark-18-22-inches-double-injected-specimen/</a>
				Dissection kit in lab kit from week 18	
21	21	<b>Frog Dissection</b>	Preserved Frog-in kit	In lab Kit from week 18	
				Dissection kit in lab kit from week 18	
22	22	<b>Rat Dissection</b>		Preserved rat \$11.00	<a href="https://www.carolina.com/preserved-rats-and-mice/formalin-rat-7-plain-pail/228300.pr?catId=&amp;mCat=&amp;sCat=">https://www.carolina.com/preserved-rats-and-mice/formalin-rat-7-plain-pail/228300.pr?catId=&amp;mCat=&amp;sCat=</a>
				Dissection kit in lab kit from week 18	
23	23	<b>Animal Behavior</b>	Video in lab on zoom		
24	24	<b>Ecology</b>	Highly recommend!	Biodiversity, Ecosystems and Human Impact Kit \$38.95	<a href="https://www.homesciencetools.com/product/biodiversity-ecosystems-and-human-impact-kit/">https://www.homesciencetools.com/product/biodiversity-ecosystems-and-human-impact-kit/</a>
25	25	<b>Bones &amp; Muscles</b>		chicken wing with skin	Grocery store

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				dissecting scalpel, tweezers in kit from week 18	
26	26	<b>Cow Eye</b>	Highly recommend!	Cow Eye \$2.90	<a href="https://www.homesciencetools.com/product/cow-eye-specimen/">https://www. homescienceto ols. com/product/co w-eye- specimen/</a>
				dissecting scalpel, tweezers in kit from week 18	
22	22	<b>Fetal Pig Dissection</b>		Preserved Pig-in kit from lab #18	
				dissecting scalpel, tweezers in kit from week 18	
22	22	<b>Fetal Pig Dissection</b>		Preserved Pig-in kit from lab #18	
				dissecting scalpel, tweezers in kit from week 18	
29	29	<b>Study for final exam and final practicum</b>			
30	30	<b>Take final exam and final practicum</b>			REV. 08/23