

WEEK #	LAB #	LAB NAME	COMMON ITEMS (can be bought anywhere)	MATERIALS YOU NEED TO PURCHASE OR BORROW-HST (Home science tools, Amazon etc)	Links
1	1	The Scientific Method	plain M&M's, 3.1 oz bag-1		
2	2	Ocean Currents	dish washing tub or bath tub		
			Black pepper		
			blow dryer or fan-1		
			unopened soup can-1		
			rock or other large object (soda can size)		
			irregular shaped objects (household items)		
			water		
			rose art clay (optional)	\$6.87	<a href="https://www.amazon.com/Creative-RoseArt-4-Color-Washable-Modeling/dp/B08794VT4Q/ref=sr_1_4?crd=114U9RQ3GHR6X&amp;dchild=1&amp;keywords=rose+art+clay&amp;qid=1597356196&amp;sprex=rose+art+clay%2Caps%2C192&amp;sr=8-4">https://www.amazon.com/Creative-RoseArt-4-Color-Washable-Modeling/dp/B08794VT4Q/ref=sr_1_4?crd=114U9RQ3GHR6X&amp;dchild=1&amp;keywords=rose+art+clay&amp;qid=1597356196&amp;sprex=rose+art+clay%2Caps%2C192&amp;sr=8-4</a>
3	3	Tides and Tide Charts	2 strings (about 3 ft. each)		will build together in class
			tennis ball-1		
			water (2 cups)		
			plastic or paper cup-1		
			Hole puncher-1	\$4.50	<a href="https://www.amazon.com/Swingline-Puncher-Capacity-Classic-Chrome/dp/B000061BK9/ref=sxin_7_ac_d_rm?ac_md=0-0-aG9sZSBWdW5jaGVy-ac_d_rm&amp;cv_ct_cx=hole+puncher&amp;dchild=1&amp;keywords=hole+puncher&amp;pd_rd_i=B000061BK9&amp;pd_rd_r=05ad2565-2c70-41f3-9578-81c7eef21929&amp;pd_rd_w=0umdG&amp;pd_rd_wg=vrrbj&amp;pf_rd_p=e3dc9e0c-9eab-4c3e-b43a-ba36f8522e14&amp;pf_rd_r=GMH5EZ2JK87Y11TNK079&amp;pvc=1&amp;qid=1597356489&amp;sr=1-1-12d4272d-8adb-4121-8624-135149aa9081">https://www.amazon.com/Swingline-Puncher-Capacity-Classic-Chrome/dp/B000061BK9/ref=sxin_7_ac_d_rm?ac_md=0-0-aG9sZSBWdW5jaGVy-ac_d_rm&amp;cv_ct_cx=hole+puncher&amp;dchild=1&amp;keywords=hole+puncher&amp;pd_rd_i=B000061BK9&amp;pd_rd_r=05ad2565-2c70-41f3-9578-81c7eef21929&amp;pd_rd_w=0umdG&amp;pd_rd_wg=vrrbj&amp;pf_rd_p=e3dc9e0c-9eab-4c3e-b43a-ba36f8522e14&amp;pf_rd_r=GMH5EZ2JK87Y11TNK079&amp;pvc=1&amp;qid=1597356489&amp;sr=1-1-12d4272d-8adb-4121-8624-135149aa9081</a>
4	4	Mapping the Ocean Floor	dish washing tub or other large container-1	\$9.98	<a href="https://www.amazon.com/STERILITE-06578012-Sterilite-White-Dishpan/dp/B0039V2G5E/ref=sr_1_16?dchild=1&amp;keywords=dish+washing+tub&amp;qid=1597356546&amp;sr=8-16">https://www.amazon.com/STERILITE-06578012-Sterilite-White-Dishpan/dp/B0039V2G5E/ref=sr_1_16?dchild=1&amp;keywords=dish+washing+tub&amp;qid=1597356546&amp;sr=8-16</a>
			Container of modeling clay, *rose art brand (NO PlayDoh)- 12 Oz.	Purchased already for lab #2	
			string or yarn- 1 ball		
			masking tape-1 roll		
			metric ruler-1		
			water with blue food coloring		
5	5	Hydra/Cnidarian Feeding	will have online version of this to watch you do not have to purchase these items unless you want to do it at home	Hydra culture \$9.70 (optional)	<a href="https://www.carolina.com/invertebrates/hydra-living/132800.pr?question=hydra">https://www.carolina.com/invertebrates/hydra-living/132800.pr?question=hydra</a>
			(optional) order live specimens of hydra/daphnia listed on the right 2 weeks in advance	Daphnia culture \$13 (optional)	<a href="https://www.homesciencetools.com/product/daphnia/">https://www.homesciencetools.com/product/daphnia/</a>
				or daphnia for \$10.50	<a href="https://www.carolina.com/crustaceans/daphnia-magna-living/142330.pr">https://www.carolina.com/crustaceans/daphnia-magna-living/142330.pr</a>
6	6	Bony Fish Dissection	sharp knife-1	whole fish - seafood store	Unimart Seafood Market, 11940 South Street, Artesia, 90701 562 -860-8830
				Dissection tools- \$9.80 (will use a lot this year)	<a href="https://www.homesciencetools.com/product/advanced-dissecting-tools/">https://www.homesciencetools.com/product/advanced-dissecting-tools/</a>

7	7	Ocean Acidification	baking soda (about 4 tbsp)	phenolphthalein \$8.99	<a href="https://www.amazon.com/Phenolphthalein-Indicator-Solution-Concentration-Fluid/dp/B00MRIT1PI/ref=sr_1_13?dchild=1&amp;keyword=s=small+bottle+phenolphthalein&amp;qid=1597357178&amp;sr=8-13">https://www.amazon.com/Phenolphthalein-Indicator-Solution-Concentration-Fluid/dp/B00MRIT1PI/ref=sr_1_13?dchild=1&amp;keyword=s=small+bottle+phenolphthalein&amp;qid=1597357178&amp;sr=8-13</a>
			measuring spoons or scale /graduated cylinder, 2 small paper plates/petri dishes for cup covers (tennis can lids work great), masking tape, white paper	100ml graduated cylinder \$6.99, (can use measuring spoons)	<a href="https://www.amazon.com/100ml-Plastic-Graduated-Cylinder-Beaker/dp/B0728C224F/ref=sr_1_2_sspa?dchild=1&amp;keywords=100ml+graduated+cylinder&amp;qid=1597357296&amp;sr=8-2-spons&amp;psc=1&amp;spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEyR1dQRU1CR0Q4UFhSjMvUyY3J5cHRlZElkPU EwMDgyODMyTDBCTIM4SDdNS1lyJmVuY3J5cHRlZEFkSWQ9QTAXNjg0MjczU09lODZUNjhOMFY3JndpZGldE5hbWU9c3BfYXRmJmFjdGlvbj1jbGlja1JlZGl yZWNoJmRvTm90TG9nQ2xpY2s9dHJ1ZQ==">https://www.amazon.com/100ml-Plastic-Graduated-Cylinder-Beaker/dp/B0728C224F/ref=sr_1_2_sspa?dchild=1&amp;keywords=100ml+graduated+cylinder&amp;qid=1597357296&amp;sr=8-2-spons&amp;psc=1&amp;spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEyR1dQRU1CR0Q4UFhSjMvUyY3J5cHRlZElkPU EwMDgyODMyTDBCTIM4SDdNS1lyJmVuY3J5cHRlZEFkSWQ9QTAXNjg0MjczU09lODZUNjhOMFY3JndpZGldE5hbWU9c3BfYXRmJmFjdGlvbj1jbGlja1JlZGl yZWNoJmRvTm90TG9nQ2xpY2s9dHJ1ZQ==</a>
			2 10 oz. clear cups, 1 3 oz. paper cup		
			white vinegar(1 cup)		
8	8	Ocean Zone Layers	paper-8.5 X 11'-1 sheet		
			paint color strips from Home Depot: 1 very dark blue, 1 dark blue, 1 light blue, 1 yellow		
			Glue stick-1		
			scissors-1		
9	9	Galapagos Islands (and other islands)	water		
			slotted spoon-1		
			tweezers-1		
			straw-1		
			chopsticks-1 set		
			Bowls (cereal size) -5		
			gummy bears and marshmallows 1/4 cup)		
			5 dixie or other cups		
			Rice (1/4 cup)		
			wet noodles (1/4 cup)		
10	10	Clam Dissection	sharp knife-1	whole clam from fish market	Unimart Seafood Market, 11940 South Street, Artesia, 90701 562 -860-8830 or fish market near you
			screwdriver-1		PARENTS: might need to monitor opening of the clams with knife and screwdriver - In-class - instructor will be opening it for students.
			chopstick or toothpick-1		
11	11	Prep for Estuary Field Trip	small dried lima beans- about 30		
			4 straws, taped together to make a square shape		
			masking tape-12 feet		
12	12	Horseshoe Crab	Video Lab		
13	13	Segmented and Flatworms	metric ruler, warm and cold water, dropper, flashlight, small sheet of black paper, food source for worms	\$13.50 (split with other families)	<a href="https://www.homesciencetools.com/product/planaria-brown/">https://www.homesciencetools.com/product/planaria-brown/</a>
				\$28.2 (blackworm culture kit)- could split with other families OR earthworms	<a href="https://www.carolina.com/annelids/lumbriculus-culture-kit/141700.pr?question=segmented+black+worms">https://www.carolina.com/annelids/lumbriculus-culture-kit/141700.pr?question=segmented+black+worms</a>

14	14	Grunions	frozen grunion- ONLINE STUDENTS: may obtain one from your teacher- ask 2 weeks ahead of time	Dissection tools- \$9.80 (will use a lot this year)- used in lab #6	<a href="https://www.homesciencetools.com/product/advanced-dissecting-tools/">https://www.homesciencetools.com/product/advanced-dissecting-tools/</a>	
15	15	Sea Turtles Dichotomous key	we will take pictures for online use and have these in class for lab	Sea turtle models (optional) buy your own kit (\$15.95)	<a href="https://www.homesciencetools.com/product/sea-turtle-activity-kit/">https://www.homesciencetools.com/product/sea-turtle-activity-kit/</a>	
16	16	Rocky Shore Inverts	(dissection kits from previous labs) Labs #6, 14	seastar (\$7.95)	<a href="https://www.homesciencetools.com/product/starfish-dissection-kit/">https://www.homesciencetools.com/product/starfish-dissection-kit/</a>	
17	17	Seals in Glacier Bay	(National Park Service Lab with video)			
18	18	Crab Anatomy		Crab, dissection kit	Unimart Seafood Market, 11940 South Street, Artesia, 90701 562-860-8830 or fish market near you	
19	19	Owl Limpets/Crystal Cove	Teacher will provide info for this			
20	20	Identify Kelp	from our local beaches, red algae and sea lettuce			
21	21	Study of Plankton	From our local waters: collect a water sample, eye dropper,	Microscope \$75.99 (if you plan on taking life science or biology you will use these again)	<a href="https://www.amscope.com/40x-1000x-student-compound-microscope-home-school-science.html">https://www.amscope.com/40x-1000x-student-compound-microscope-home-school-science.html</a>	
				Microscope slides \$4.95	<a href="https://www.homesciencetools.com/search?search_query=microscopes">https://www.homesciencetools.com/search?search_query=microscopes</a>	
				Microscope cover slips \$1.85	<a href="https://www.homesciencetools.com/product/microscope-slide-coverslips/">https://www.homesciencetools.com/product/microscope-slide-coverslips/</a>	
22	22	ID Shark Jaws	metric ruler, calculator	in seat will have a shark jaw to observe, online will use images of these shark jaws		
23	23	Whale Feeding	paper cup of rice krispies, plastic tub, plastic comb, paper towels, a few toothpicks, one pair of chopsticks			
24	24	Bioluminescence	tonic water, clear plastic disposable cup, medicine dropper, bleach, 1 cup measuring cup, UV black light,	UV black light bulb	<a href="https://www.homesciencetools.com/search?search_query=UV+black+light">https://www.homesciencetools.com/search?search_query=UV+black+light</a>	
25	25	Antarctica Ice Core- <b>takes 8 days to prepare, begin early!</b>	one empty Extra large Pringles can, gravel, piece of paper, 3 small plastic insects, instant coffee, water, tray	100 ml grad cylinder (\$4.65)	<a href="https://www.homesciencetools.com/product/graduate-cylinder-polypropylene-100-ml/">https://www.homesciencetools.com/product/graduate-cylinder-polypropylene-100-ml/</a>	
26	26	How Blubber Keeps Animals Warm	3 sandwich size ziploc bags, bowl, some type of vegetable lard (like Crisco shortening, coconut or butter), tablespoon, ice	thermometer(\$3.25)	<a href="https://www.homesciencetools.com/product/thermometer-fahrenheit-celsius-12-inches/">https://www.homesciencetools.com/product/thermometer-fahrenheit-celsius-12-inches/</a>	
27	27	Polar Bears	virtual lab, 2 videos			
28	28	Guest Speaker: Careers in Marine Biology				
29	29	Shark Presentations by students	NA			

30	30	Shark Presentations by students	NA		
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