

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
1	1	The Scientific Method	1 small bag of M&Ms (3.1 oz)	n/a	
2	2	Classifying Seeds	7-10 different dried beans/seeds (lima, kidney, pea, corn, wildflower, spinach, cilantro, etc)		
			magnifying glass-dollar store		
			metric ruler-dollar store		
	2A	Classifying Living Things	HOMEWORK SHEET ONLY		
3	3	Action of Enzymes	heat source (stove burner)	\$3.99	Rennet Tablets nuts.com
			2T. distilled water		or at cheese making stores
			4 cups whole milk		
			6 T. sugar		
			2 T. vanilla		
			stirring spoons		
			thermometer		
			2 mixing bowls		
			1 c. measuring cup		
			1 T. measuring spoon		

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4	4	Observing Cells with a Microscope	flower-1	Highly recommend that you buy-Entire kit includes all of the *items below for \$155 + 15% off	https://www.amscope.com/value-bundles/40x-1000x-portable-student-microscope-with-extensive-slide-preparation-kit-and-book.html
			geranium leaf (not essential)	*microscope	https://www.amscope.com/40x-1000x-all-metal-all-optical-glass-lens-student-biological-field-microscope-with-led-light.html?medium=tsa&gclid=EAlaIQobChMI37_89MGU6wIVBdvACh3m7QrTEAQYEiABEgKoQPD_BwE
			onion-1/4	*Coverslips	https://www.homesciencetools.com/product/microscope-slide-coverslips/?nosto=nosto-page-search1
			potato-1 slice	*Microscope slides	https://www.homesciencetools.com/product/microscope-slides-plain-glass-70-pack/?nosto=nosto-page-search1
			single-edged razor blades or x-acto knife	*Pipet	\$3.29/2 CVS
			toothpicks-2	*iodine solution	

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			Piece of cork-1 (or slice)	*methylene blue-\$4.60	https://www.homesciencetools.com/search?search_query=methylene+blue
				*single-edged razor blades	\$3.00/12 Walmart
				Amoeba-\$5.40 (optional)-can view this online	https://www.homesciencetools.com/product/amoeba-proteus-slide-wm/
				elodea (anacharis)	Petco- call first or aquarium store-\$3.00
				dissection kit - Highly recommend you buy-will be used 6 times in the year \$11.85	https://www.homesciencetools.com/product/advanced-dissecting-tools/
5	5	Turgor Pressure	2 8oz cups or bowls, plastic fine (best if clear)		
			sharp knife-1		
			potato 1/2		
			salt- 1 tbsp.		
			distilled water		
6	6	Animal Mitosis		n/a	
	6A	Genes and Mitosis SA68	HOMEWORK ONLY	n/a	
7	7	Candy DNA	red, black (4 strips of each)		
			gum drops or marshmallows- 4 colors-about 10 of each color		
			box of toothpicks		

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			large marshmallows-4		
8	8	Inheritance of Traits SA75	long strips of paper to make chromosomes		
			3 colors of chenille wire/pipe cleaners - need two of each color - lab uses blue, pink, white		
			4 multi-colored candy such as jellybeans/gumdrops or marshmallows - must be able to stick with toothpick		
			4 multi-colored push pins - lab uses blue, red, white and green		
			potato-1		
			10 toothpicks		
			scissors-1		
9	9	Monohybrid Crosses - Corn	n/a	You can do this one online with us	
10	10	The Role of Natural Selection in Adaptation	toothpicks - 30 white , 30 black (can color with paint, polish, sharpie, whiteout)	n/a	
			6 sheets white paper		
			6 sheets black paper		

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11	11	Fossils	clay-modeling or regular red or gray		
			plaster of paris dry mix	Home depot	
			shells, chicken bones, fossils (whichever you have) 2-3 items		
			cooking spray-pam		
			paper towels for cleanup		
			thick paper plate or pie tin		
12	12	Backyard Ecosystems	Area with many plants and creatures - various abiotic and biotic populations - park, trail, schoolyard, backyard	n/a	
13	13	Observing Relationships	8.5 X 14 light colored construction paper (1)	n/a	
			scissors-1		
			glue stick or glue-1		
			pen or sharpie-1		
	13A	Organism Relationships	HOMEWORK ONLY		
14	14	Owl Pellets	plate/tray for cutting on	owl pellet-\$6.65	https://www.homesciencetools.com/product/owl-pellet-large/
			x-acto knife	dissecting kit-used in lab #4	

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			small pointed scissors		
		BIOME project	shoe box		
			materials to construct a biome scene inside box - possibly: glue, glue gun, plastic animals, flora, fauna, rocks or pictures of such, cardboard, scissors etc.		
15	15	Oil Spills	Watch videos and answer questions		
					REV. 08/23