

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 Leakproof Bag	3 different sized plastic bags (like ziplock, grocery store produce and sandwich bag (non-ziplock type)	n/a	
			very sharp pencils-15		
			Pitcher of water		
			Tray or cookie sheet (to contain a water mess)		
2	2	Measuring and Metrics	metric ruler-1	scale- 100 gram (0.01) \$12.99 - NOTE: They will need a scale for many labs	https://www.amazon.com/Weigh-Gram-Digital-Jewelry-Kitchen/dp/B06Y61YW7S/ref=sr_1_5?crd=1J2AMZMBDGH2K&dchil d=1&keywords=small+digital+scale&qid=1596062557&srefix=small+digital+scale%2Caps%2C266&sr=8-5
			paper plate-1	or use kitchen scale	
			cotton balls-20		
			sponge-1		
			Tap water		

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				graduated cylinder 100 ml-\$6.99	https://www.amazon.com/100ml-Plastic-Graduated-Cylinder-Beaker/dp/B0728C224F/ref=sr_1_2_sspa?dchild=1&keywords=100ml+graduated+cylinder&qid=1597357296&sr=8-2-spons&psc=1&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEyR1dQRU1CR0Q4UFhSJMvUy3J5cHRIZEikPUEwMDgyODMyTD BCTIM4SDdNS1lyJmVuY3J5cHRIZEFkSWQ9QTAXNjg0MjczU09IODZUNjhOMFY3JndpZGdl dE5hbWU9c3BfYXRmJmFjdGlvbj1jbGJja1JlZGl yZWNOJmRvTm90TG9nQ2xp Y2s9dHJlZQ==
			wooden block-1 (any size)		
			thermometer (Celcius)-1	\$2.40	https://www.homesciencetools.com/product/the-thermometer-aluminum-back/
3	3	Speed and Acceleration	stack of books		
			ramp 50 cm long - hot wheels ramp or thin piece of wood or checkers board		

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			masking tape		
			stopwatch (phone)		
			calculator/or use phone	Meterstick \$2.39	https://www.amazon.com/School-Smart-Wooden-Meter-Stick/dp/B00JKIDZJQ/ref=sr_1_12?dchild=1&keywords=meterstick&qid=1597362793&s=industrial&sr=1-12
			toy car (hot wheel or small ball)		
4	4	Inertia		3 marbles different sizes (kit for \$14.99)	https://www.amazon.com/Count-Marbles-Glass-Assorted-Colors/dp/B077PGXFCS/ref=sr_1_46?dchild=1&keywords=marbles&qid=1597362547&sr=8-46

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			ramp set up from previous lab but 100cm	protractor \$0.77	https://www.amazon.com/Sparco-Plastic-Protractor-6-Inch-SPR01490/dp/B009Z0QIRA/ref=sr_1_2?crid=1NOW5PW62AO8E&dchild=1&keywords=protractor&qid=1597363579&s=office-products&prefix=protra%2Coffice-products%2C201&sr=1-2
			small box or container 2" x 2"	something like these	https://www.amazon.com/6-Piece-Gift-Box-Set-Anniversaries/dp/B071RS8G5Q/ref=sr_1_55?dchild=1&keywords=small+jewelry+cardboard+boxes&qid=1597362730&sr=8-55
			metric ruler (30 cm=12 inches)		
5	5	Newton's 3rd Law	2 film cannisters		
			alka seltzer tablets-6		
			large tray or counter top		
			sharpie- to mark tray or a piece of tape on the counter top		

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			meter stick-1	used in lab #2	https://www.amazon.com/School-Smart-Wooden-Meter-Stick/dp/B00JKIDZJQ/ref=sr_1_12?dchild=1&keywords=meterstick&qid=1597362793&s=industrial&sr=1-12
6	6	Work and Power	wood dowel 50 cm (or broom stick)	1 kg mass or 2-1 lb. weights (\$4.99)	https://thetackleroom.com/collections/sinkers/products/deep-drop-weights?variant=19844979720289
			masking tape-1 roll	metric spring scale 1000g or 10N (\$12.21)	https://www.amazon.com/Ajax-Scientific-Spring-Balance-Capacity/dp/B00EPQGIXS/ref=sr_1_6?dchild=1&keywords=10n+spring+scale&qid=1597361620&sr=8-6
			meterstick-1	used in lab #3	
			string-1.5 meters		
			scissors-1		
			stop watch (on phone)		
7	7	Specific Heat Capacity	(virtual lab for everyone)		

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8	8	Conduction and Insulation	thermometer (C) used in lab #2	used in lab #2	https://www.homesciencetools.com/product/the-thermometer-aluminum-back/
			water		
			container for chamber (smaller cup that will fit in larger cup with lids for both)-1 of each (ex. 32 oz and 6 oz)		
			insulation of their choice (newspaper, styrofoam, ... bring about 2 cups of each)		
9	9	Simple Machines: The Inclined Plane Lab + Pulley Demo		10 N spring scale	Repeat from lab #6
			meterstick (or use tape measure)	meterstick \$2.33	https://www.amazon.com/School-Smart-Wooden-Meter-Stick/dp/B00JKIDZJQ?ref_=fscpl_pl_dp_1
			stack of books to prop up the ramp		
			string (about 1 ft)	1 lb. weight used in lab #6	https://thetackleroom.com/collections/sinkers/products/deep-drop-weights?variant=19844979720289

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			calculator	2 x 4 plank 2 feet long	
10		Viscosities of Various Liquids	room temperature household liquids like; dish detergent, corn syrup, pancake syrup, shampoo, vegetable oil, vinegar, molasses, water, etc.		
			metric ruler		
			100 ml graduated cylinder	used in lab #2	
			marble-1	used in lab #4	
			stopwatch-1	this is on your phone	
11	11	Behavior of Gases: Observing the Gas Laws	Demo by Teacher		
12	12	Conservation of Mass (p. 478-479 in textbook)	antacid tablets (alka seltzer or generic)-6		
			empty plastic water bottle-1		
			balloon-1		
			beaker or clear plastic cup		
			water		
			scale	used in lab # 2	
			mortar/pestle- or other way to crush up antacid tablets (a bowl and spoon should work fine)		
			funnel		

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			pape towel		
			spoon		
13	13	Building Atoms and Isotopes	periodic table		
			10 small plastic or paper cups		
			50 black beans		
			50 white beans		
			50 green beans		
			calculator		
14	14	Metals and Nonmetals- Textbook pg. 531	paper towels	samples of carbon, magnesium, aluminum (foil is fine), sulfur and tin (small amount of each is fine)	
			6 Volt battery- you will use this again in later labs	Carbon rod-\$2.05	https://www.homesciencetools.com/product/carbon-electrode-rod-4/
			alligator wires- 3	Magnesium Ribbon-\$1.65	https://www.homesciencetools.com/product/magnesium-ribbon-60-cm/
			Hammer-1	Tin-\$14.06	https://www.amazon.com/Frey-Scientific-Electrode-Length-0-88mm/dp/B00FGDW1GM/ref=sr_1_5?dchild=1&keywords=tin+electrode&qid=1627591308&sr=8-5

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				Sulfur-\$3.75	https://www.homesciencetools.com/search?search_query=sulfur
				\$8.75	https://www.homesciencetools.com/product/battery-6-volt/
				\$14.95 (this kit has wires, bulb and receptable all together)	https://www.homesciencetools.com/search?search_query=electricity
15	15	Flame tests	Demo by Teacher and online resource		