

Quantity	Item	Approximate Costs of 10/1/2022	URL Link	Notes
*Note that some larger quantities were purchased through Amazon for multiple buckets. Many items can be purchased in smaller quantities! And there may be substitute options listed in the notes. Books are helpful for additional information but not required for activities.				
<b>General</b>				
1	Bucket with Lid	\$8.00	<a href="https://www.uline.com/Product/ProductDetailRootItem?modelnumber=5-7914">https://www.uline.com/Product/ProductDetailRootItem?modelnumber=5-7914</a> or single buckets available from Home Depot at <a href="https://www.homedepot.com/p/Leaktite-5-gal-70mil-Food-Safe-Bucket-White-005GFSWH020/300197644">https://www.homedepot.com/p/Leaktite-5-gal-70mil-Food-Safe-Bucket-White-005GFSWH020/300197644</a>	Any 5 gallon bucket will work!
1	I Heart Soil large labels		<a href="https://www.soils.org/files/s4t/i-heart-soil-bucket-label.pdf">https://www.soils.org/files/s4t/i-heart-soil-bucket-label.pdf</a>	Nice to do, not necessary, print on 8.5x11 label, no charge for label use
1	Know Soil Know Life Book	\$40.00	<a href="https://web.sciencesocieties.org/Shop/Product-Catalog/Product-Details?productid=f6EFAF5B-EE55-E211-9D85-0013210E308C">https://web.sciencesocieties.org/Shop/Product-Catalog/Product-Details?productid=f6EFAF5B-EE55-E211-9D85-0013210E308C</a>	
1	Soil! Get the Inside Scoop Book	\$20.00	<a href="https://web.sciencesocieties.org/Shop/Product-Catalog/Product-Details?productid=%7B9F56C88F-76F0-DC11-B6B8-0013210E308C%7D">https://web.sciencesocieties.org/Shop/Product-Catalog/Product-Details?productid=%7B9F56C88F-76F0-DC11-B6B8-0013210E308C%7D</a>	
1	Coloring Book	\$5.00	<a href="https://web.sciencesocieties.org/Shop/Product-Catalog/Product-Details?productid=%7B3796B03E-8697-E411-9414-0050568A4377%7D">https://web.sciencesocieties.org/Shop/Product-Catalog/Product-Details?productid=%7B3796B03E-8697-E411-9414-0050568A4377%7D</a>	
1	Poster - Overview, Taxonomy, Careers poster/brochure		<a href="https://www.soils4teachers.org/posters">https://www.soils4teachers.org/posters</a>	Print or request free copy <a href="https://www.soils4teachers.org/classroom-materials">https://www.soils4teachers.org/classroom-materials</a>
1	Soil - Silt - 1 cup	\$23.75	<a href="https://ag.purdue.edu/department/agry/docs/order-form1.pdf">https://ag.purdue.edu/department/agry/docs/order-form1.pdf</a>	Packaged in 1 cup bags, all in a one gallon bag, sand available at home improvement stores
	Soil - Clay - 1 cup			
	Soil - Sand - 1 cup			
	Soil - Clay loam - 2 cups			
1	Soil Particle Size Jar		see below	
50 each	English I Heart Soil Stickers Spanish I Heart Soil Stickers	\$40.00	request several of each at <a href="https://www.soils4teachers.org/classroom-materials">https://www.soils4teachers.org/classroom-materials</a> download and print: <a href="https://www.soils.org/stickers">https://www.soils.org/stickers</a> or order rolls of 250: <a href="https://web.sciencesocieties.org/Shop/Product-Catalog?category=100000004&amp;productname=&amp;author=">https://web.sciencesocieties.org/Shop/Product-Catalog?category=100000004&amp;productname=&amp;author=</a>	Not mandatory - a fun incentive for students!
<b>Module 0 - Soil Sampling</b>				
1	Soil Probe - 20 inch	\$34.00	<a href="https://www.amazon.com/Sampler-Probe-Stainless-Reusable-Sample/dp/B07T3JR9PX/ref=sr_1_6?crid=206HC74PUY0JZ&amp;keywords=20+inch+soil+probe&amp;qid=1665410124&amp;qu=eyJxc2MiOiJwLjAwIiwicXNhIjojMC4wMCIsInFzcCI6IjAuMDAifQ%3D%3D&amp;srefix=20+inch+soil+probe%2Caps%2C139&amp;sr=8-6">https://www.amazon.com/Sampler-Probe-Stainless-Reusable-Sample/dp/B07T3JR9PX/ref=sr_1_6?crid=206HC74PUY0JZ&amp;keywords=20+inch+soil+probe&amp;qid=1665410124&amp;qu=eyJxc2MiOiJwLjAwIiwicXNhIjojMC4wMCIsInFzcCI6IjAuMDAifQ%3D%3D&amp;srefix=20+inch+soil+probe%2Caps%2C139&amp;sr=8-6</a>	includes sample bags
2	Bags from Soil Probe			sample bags included with soil probe or use ziploc type bags
1	Notebook			use notebook to record conditions - or any paper or digital option
1	Wash Bottle	\$2.55	<a href="https://www.amazon.com/GSC-International-WB150-Bottle-Graduated/dp/B07GDW2YPS/ref=sr_1_3?crid=GKPSJUJGPWYC&amp;keywords=GSC+International+wash+bottle&amp;qid=1663685031&amp;srefix=gsc+international+wash+bottle%2Caps%2C90&amp;sr=8-3">https://www.amazon.com/GSC-International-WB150-Bottle-Graduated/dp/B07GDW2YPS/ref=sr_1_3?crid=GKPSJUJGPWYC&amp;keywords=GSC+International+wash+bottle&amp;qid=1663685031&amp;srefix=gsc+international+wash+bottle%2Caps%2C90&amp;sr=8-3</a>	any small wash type bottle will work, purchased a 10 pack (\$25.52)
1	Ruler			any ruler will work
1	Soil Texture Triangle		<a href="https://www.soils4teachers.org/files/s4t/In-Service%20Materials/soil-texture-triangle.pdf">https://www.soils4teachers.org/files/s4t/In-Service%20Materials/soil-texture-triangle.pdf</a>	lamine if possible
1	Wet Wipes			used to clean hands after soil sampling and other activities (or water works!)
<b>Module 1 - Soil Chemistry</b>				
5	3 oz paper cups			any 3 oz paper cups work, but need to be paper (poking holes in them)
5	5 oz paper cups			any 5 oz paper cups work
2	grape koolaid packets	\$2.00		use Koolaid brand!
10	toothpicks			round, not flat type
2	zip lock baggies snack size			any small ziploc type bag
5	Soil pH test strips	\$1.80	pH 0-14: <a href="https://www.grainger.com/product/MICRO-ESSENTIAL-pH-Test-Strips-pH-6EGFO">https://www.grainger.com/product/MICRO-ESSENTIAL-pH-Test-Strips-pH-6EGFO</a> (\$18.11 for 100 count)  pH 5-9: <a href="https://www.grainger.com/product/MICRO-ESSENTIAL-pH-Test-Strips-pH-6EGF3">https://www.grainger.com/product/MICRO-ESSENTIAL-pH-Test-Strips-pH-6EGF3</a> (\$18.11 for 100 count)	
1	lemon, water, milk, bleach/peroxide			household items
<b>Soil Biology</b>				
	<b>Berlese Funnel</b>			
2	Stainless tub strainer	\$7.26	<a href="https://www.homedepot.com/p/DANCO-2-in-Steel-Tub-Strainer-in-Chrome-88930/202950408">https://www.homedepot.com/p/DANCO-2-in-Steel-Tub-Strainer-in-Chrome-88930/202950408</a>	

2	Small mason jar with lid	\$3.92	<a href="https://www.walmart.com/ip/Ball-Smooth-Sided-Glass-Mason-Jars-with-Lids-and-Bands-Regular-Mouth-4-oz-12-Count/211865277">https://www.walmart.com/ip/Ball-Smooth-Sided-Glass-Mason-Jars-with-Lids-and-Bands-Regular-Mouth-4-oz-12-Count/211865277</a> (\$23.50 for 12 count)	4 oz jars
2	Petri Dish	\$0.96	<a href="https://www.amazon.com/Plastic-Bioresearch-Sterile-Projects-Biological/dp/B08LV7JD4F/ref=sr_1_3?crid=CG1LKKW4LL97&amp;keywords=90x15mm+petri+dish&amp;qid=1663709701&amp;s=industrial&amp;srefix=90x15mm+petri+dish%2Cindustrial%2C74&amp;sr=1-3">https://www.amazon.com/Plastic-Bioresearch-Sterile-Projects-Biological/dp/B08LV7JD4F/ref=sr_1_3?crid=CG1LKKW4LL97&amp;keywords=90x15mm+petri+dish&amp;qid=1663709701&amp;s=industrial&amp;srefix=90x15mm+petri+dish%2Cindustrial%2C74&amp;sr=1-3</a> (\$14.79 for 30 pack)	plastic
2	plastic transfer pipettes	\$0.40	<a href="https://www.amazon.com/Rienar-Disposable-Transfer-Graduated-Pipettes/dp/B00P7QZDK4/ref=sr_1_2?crid=28TY85MKX9OR5&amp;keywords=g2+plus+pipette&amp;qid=1663711122&amp;srefix=g2plus+pipette%2Caps%2C78&amp;sr=8-2">https://www.amazon.com/Rienar-Disposable-Transfer-Graduated-Pipettes/dp/B00P7QZDK4/ref=sr_1_2?crid=28TY85MKX9OR5&amp;keywords=g2+plus+pipette&amp;qid=1663711122&amp;srefix=g2plus+pipette%2Caps%2C78&amp;sr=8-2</a> (\$3.99 for 20 count)	
<b>Soil Glue</b>				
1	Mesh drain filter	\$6.84	<a href="https://www.amazon.com/KUFUNG-Strainer-Stainless-Bathroom-Lavatory/dp/B08BL44JHF/ref=sr_1_3?crid=27WP8MJ7736WR&amp;keywords=kufung%2Bstrainer&amp;qid=1663684492&amp;s=hi&amp;srefix=kufung%2Bstraine%2Ctools%2C86&amp;sr=1-3&amp;th=1">https://www.amazon.com/KUFUNG-Strainer-Stainless-Bathroom-Lavatory/dp/B08BL44JHF/ref=sr_1_3?crid=27WP8MJ7736WR&amp;keywords=kufung%2Bstrainer&amp;qid=1663684492&amp;s=hi&amp;srefix=kufung%2Bstraine%2Ctools%2C86&amp;sr=1-3&amp;th=1</a>	1 package per bucket (2 per pack)
2	Large mason jar with lid	\$3.07	<a href="https://www.amazon.com/QAPPDA-Storage-Canning-Canisters-Dishware/dp/B08P5F3W6S/ref=sr_1_24?keywords=1+pint+%2816+oz%29+wide+mouth+glass+jar&amp;qid=1663710394&amp;sr=8-24">https://www.amazon.com/QAPPDA-Storage-Canning-Canisters-Dishware/dp/B08P5F3W6S/ref=sr_1_24?keywords=1+pint+%2816+oz%29+wide+mouth+glass+jar&amp;qid=1663710394&amp;sr=8-24</a> (\$22.99 for 15 count)	1 pint (16 oz) wide mouth glass jar with lid
<b>Soil Your Undies</b>				
1 pack	XXL underwear	\$7.49	<a href="https://www.amazon.com/Fruit-Loom-Brief-White-X-Large/dp/B000P50WS0/ref=sr_1_3?crid=372PZWFH7VR22&amp;keywords=fruit%2Bof%2Bthe%2Bloom%2Bmens%2Bunderwear%2B3%2Bpack%2Bxl&amp;qid=1663711204&amp;srefix=fruit%2Bof%2Bthe%2Bloom%2Bmens%2Bunderwear%2B3%2Bpack%2Bxl%2Caps%2C106&amp;sr=8-3&amp;th=1&amp;psc=1">https://www.amazon.com/Fruit-Loom-Brief-White-X-Large/dp/B000P50WS0/ref=sr_1_3?crid=372PZWFH7VR22&amp;keywords=fruit%2Bof%2Bthe%2Bloom%2Bmens%2Bunderwear%2B3%2Bpack%2Bxl&amp;qid=1663711204&amp;srefix=fruit%2Bof%2Bthe%2Bloom%2Bmens%2Bunderwear%2B3%2Bpack%2Bxl%2Caps%2C106&amp;sr=8-3&amp;th=1&amp;psc=1</a>	3 per pack, large, 100% cotton
1	trowel	\$7.88	<a href="https://www.walmart.com/ip/Fiskars-Ergo-Garden-Hand-Trowel-Black-and-Orange-1-Each/19794438">https://www.walmart.com/ip/Fiskars-Ergo-Garden-Hand-Trowel-Black-and-Orange-1-Each/19794438</a>	any shovel will work
3	landscape flags	\$0.04	<a href="https://www.amazon.com/Marking-Landscape-Irrigation-Distance-Measuring/dp/B09684KYQ2/ref=sr_1_6?crid=VC2E7KLLTM6D&amp;keywords=landscape+flags&amp;qid=1663711291&amp;srefix=landscape+flags%2Caps%2C99&amp;sr=8-6">https://www.amazon.com/Marking-Landscape-Irrigation-Distance-Measuring/dp/B09684KYQ2/ref=sr_1_6?crid=VC2E7KLLTM6D&amp;keywords=landscape+flags&amp;qid=1663711291&amp;srefix=landscape+flags%2Caps%2C99&amp;sr=8-6</a> (\$11.99 for 100 count)	any markers will work
<b>Soils and Climate Change</b>				
	none			
<b>Soil Particle Jar</b>				
Make this jar to demonstrate how the different soil particle sizes relate to each other!				
1	label	\$0.00	<a href="https://www.agronomy.org/files/s4t/In-Service%20Materials/soil-particle-label-print-layout.pdf">https://www.agronomy.org/files/s4t/In-Service%20Materials/soil-particle-label-print-layout.pdf</a>	
1	jar	\$2.78	<a href="https://www.amazon.com/Fasmov-Plastic-Mouth-Storage-Containers/dp/B08KZZMFXJ/ref=sr_1_12?crid=26KKPM05DNX22&amp;keywords=clear+pet+round+wide+mouth+plastic+jars+%2C32+oz&amp;qid=1663712357&amp;srefix=clear+round+wide+mouth+%2Caps%2C112&amp;sr=8-12">https://www.amazon.com/Fasmov-Plastic-Mouth-Storage-Containers/dp/B08KZZMFXJ/ref=sr_1_12?crid=26KKPM05DNX22&amp;keywords=clear+pet+round+wide+mouth+plastic+jars+%2C32+oz&amp;qid=1663712357&amp;srefix=clear+round+wide+mouth+%2Caps%2C112&amp;sr=8-12</a> (\$24.99 for 9 count)	clear, smooth-sided, 32 oz
8	ping pong balls	\$1.76	<a href="https://www.amazon.com/gp/product/B07VC694JV/ref=ppx_yo_dt_b_asin_title_o04_s00?ie=UTF8&amp;th=1">https://www.amazon.com/gp/product/B07VC694JV/ref=ppx_yo_dt_b_asin_title_o04_s00?ie=UTF8&amp;th=1</a> (\$10.99 for 50 count)	40 mm
1/2 bag	faceted craft beads	\$1.45	<a href="https://www.amazon.com/BeadTin-Amethyst-Transparent-Faceted-450pcs/dp/B078QCKT2Y/ref=sr_1_57?keywords=BeadTin&amp;qid=1663712563&amp;sr=8-57">https://www.amazon.com/BeadTin-Amethyst-Transparent-Faceted-450pcs/dp/B078QCKT2Y/ref=sr_1_57?keywords=BeadTin&amp;qid=1663712563&amp;sr=8-57</a> (whole bag is \$2.89)	8 mm
1/2 tablespoon	pearl beads	\$1.00	<a href="https://www.amazon.com/OLYCRAFT-10000pcs-Acrylic-Material-Crafting/dp/B08D6KBSJV/ref=sr_1_1?keywords=olycraft+10000pcs+2mm&amp;qid=1663712890&amp;sr=8-1">https://www.amazon.com/OLYCRAFT-10000pcs-Acrylic-Material-Crafting/dp/B08D6KBSJV/ref=sr_1_1?keywords=olycraft+10000pcs+2mm&amp;qid=1663712890&amp;sr=8-1</a> (approximately 5 tablespoons in a bag)	2 mm
I chose this color combination because all of the three colors stand out. Other combinations can be used!				
		\$221.95	Note that without the books and stickers the approximate cost can be \$110, without soil probe can be \$85 however some items were purchased in bulk quantities. Costs could come down further if you items already on hand!	