

Spreadsheet of Non-Consumables Costs and Ordering Information:

Item	Lessons	How many are needed per class	Directions	Possible vendor Item # and details	Cost per item	Other notes	Total \$ for a teacher
Plastic Rulers	Multiple lessons	3 per group of 4 students, so ~24 will be enough for a class of 36	This link is for 12 in a box (Officemate OIC Achieva Plastic 12-Inch Ruler, Box of 12, Assorted Colors (30212))	https://www.amazon.com/Officemate-Achieva-Plastic-Assorted-30212/dp/B00KSF91U2/ref=sr_1_5?s=office-products&ie=UTF8&qid=1482331765&sr=1-5&keywords=plastic+ruler+12+inch	\$9.00	Order 3 of these	\$18
Neodymium magnets		~9 per class	0.7 in. Neodymium Rare-Earth Magnet Discs (3 per Pack)	http://www.homedepot.com/p/MASTER-MAGNETICS-0-7-in-Neodymium-Rare-Earth-Magnet-Discs-3-per-Pack-07047HD/202526369	\$3.98	order 3 of these	\$11.96
Ceramic Magnets		1 for all classes (non-consumable)	Creative Hobbies Ceramic Industrial Magnets -11/16 Inch (.709) Round Disc - Ferrite Magnets Bulk for Crafts, Science&hobbies - Grade 5 - 100 pcs / box!	https://www.amazon.com/Creative-Hobbies-Ceramic-Industrial-Magnets/dp/B0119B3SQQ/ref=sr_1_3?s=industrial&ie=UTF8&qid=1482332095&sr=1-3&keywords=magnets	\$13.99		\$13.99
Magnet roll		1 for all classes (non-consumable)	Sticky Back Magnet Roll - Super Strength - 1 x 60 inches	https://www.amazon.com/Sticky-Back-Magnet-Roll-Strength/dp/B00FI39DIE/ref=sr_1_sc_1?s=office-products&ie=UTF8&qid=1482334888&sr=1-1-spell&keywords=manget+roll	\$5.24		\$5.24
Adhesive		1 for all classes (used to put everything together)	Gorilla Heavy Duty Construction Adhesive, 2.5 oz., White	https://www.amazon.com/Gorilla-Heavy-Construction-Adhesive-White/dp/B01B7ATWIM/ref=pd_sim_60_62_encoding=UTF8&pd_rd_i=B01B7ATWIM&pd_rd_r=1KWJ12YHCGZT71KXJ68F&pd_rd_w=M9GzM&pd_rd_wg=0hFgW&psc=1&refRID=1KWJ12YHCGZT71KXJ68F	\$6.99		\$6.99
Glass marbles		1 set for all classes	1 lb. bag of green glass eye shooters (¾" marbles)	https://www.moonmarble.com/p-808-green-cats-eye-shooters.aspx	\$8.50		\$8.50
Steel ball bearings		1 set for all classes	Ten 3/4" Inch Chrome Steel Bearing Balls G25	https://www.amazon.com/Inch-Chrome-Steel-Bearing-Balls/dp/B007B2AC2Q	\$6.58		\$6.58
Total for Non-Consumables							\$71

Spreadsheet of Consumables Costs and Ordering Information:

Item	Lessons	How many are needed per class	Directions	Possible vendor Item # and details	Cost per item	Other notes	Total \$ for 2 classes	Total \$ for 6 classes
Barium Hydroxide	Lesson 1	~225 g for 6 groups of 5 students, so a 500g bottle per 2 classes	The link is for a 500g bottle	https://www.flinnsci.com/barium-hydroxide-lab-grade-500-g/b0072/	\$16.20	You will need 1 of these for every 2 classes	\$16.20	\$48.60
Ammonium Chloride	Lesson 1	~70 g for 6 groups of 5 students, so a 500g bottle would last for 6 classes	The link is for a 500g bottle	https://www.flinnsci.com/ammonium-chloride-lab-grade-500-g/a0045/	\$7.70	You will need 1 of these for every 6-7 classes of students	\$7.70	\$7.70
Sodium Chloride	Lesson 2	~ 5 g per class, multiple years	The link is for a 737g bottle	http://www.target.com/p/morton-salt-26-oz/-/A-13171236?lnk=rec pd pipadh1 related_prods_vv pd pipadh1 13171236 1	\$0.89		\$0.89	0.89
Potassium Chloride	Lesson 2 and 2b	Lesson 2: ~50g per class Lesson 2b: ~35g per class	The links is for 500g bottle	https://www.flinnsci.com/potassium-chloride-reagent-500-g/p0042/	\$10.20	You will need 1 of these for every 5 classes	\$10.20	\$20.40
Pink Lemonade	Lesson 1	1 container will be plenty for 6 classes, multiple years	This link is for a 82.5 oz can	https://www.walmart.com/ip/Country-Time-Pink-Lemonade-Drink-Mix-82.5-Oz/10292689	\$9.57		\$9.57	\$9.57
Baking Soda	Lesson 1	1 container will be plenty for 6 classes, multiple years	This link is for a 5lb bag.	https://www.walmart.com/ip/ARM-HAMMER-Pure-Baking-Soda-5-lb/23740730	\$3.47		\$3.47	\$3.47
Lithium	Lesson 8 (optional)	1 small piece	The link is for a 12.5 gram stick	https://www.flinnsci.com/lithium-sticks-2.5-g/l0057/	\$20	Larger pieces are more dramatic, but only small pieces are needed to demonstrate the phenomenon	\$20	\$20
Sodium	Lesson 8 (optional)	1 small piece	The link is for 15 small pieces	https://www.flinnsci.com/sodium/	\$19.35		\$19.35	\$19.35
Potassium	Lesson 8 (optional)	1 small piece	The link is for 5 small pieces	https://www.flinnsci.com/potassium-5-small-demonstration-pieces/p0204/	\$22.25		\$22.25	\$44.50
Total for Consumables (without alkalai metals)							\$48.03	\$90.63
Total for Consumables (with alkalai metals)							\$109.63	\$174.48
							for 2 classes	for 6 classes

Materials not part of this budget: 10-12 500 ml Pyrex Beakers, 10-12 250 ml Pyrex Beakers, Distilled water, Stirring Rods, Digital thermometers (set of 10-12), weighing trays (e.g., [this set of 500](#)), nichrome wire, wooden or glass stirrers, empty coffee cans