

## Creek Connections Teachers' Shopping Index

This index was created to assist area teachers with creating a shopping list of ecology related equipment that can be used to educate classes about waterways, watersheds, water quality analysis and issues, stream ecology, aquatic life, and water related land use topics. The companies with the most reasonable price for each item are listed. *Prices are subject to change without notice when companies change prices.*

**Note to Creek Connections teacher participants:** You can submit this form to Creek Connections as the procedure to order equipment using your stipend money. We will place the orders for you. **YOU ARE NOT LIMITED TO THE LISTED ITEMS FOR YOUR PURCHASES.** You can ask Creek Connections staff to help you find other types of equipment or to find out more information about the below products. *Prices are subject to change without notice when companies change prices.*

**Note to other teachers using this shoppers index:** Sorry, this is not a catalog from which Creek Connections will supply your orders, and we will only place orders for Creek Connections teachers.

Creek Connections Teacher Name \_\_\_\_\_ School \_\_\_\_\_

### Water Chemistry Test Parameters

Qty.	Qty. to Order	Item #	Water Test Kits	Company / Catalog Number	Model Number	Information / Methods	Price	Total Charge
		1	Alkalinity	Hach 24443-00	AL-AP	Drop count titration, sulfuric acid	\$46.25	
		2	Dissolved Oxygen	Hach 1469-00	OX-2P	Drop count titration, modified.Winkler method	\$77.95	
		3	Nitrate Test Kit N and NO <sub>3</sub>	Hach 14161-00	NI-14	Color disc, cadmium reaction	\$79.95	
		4	Orthophosphate	Hach 2248-00	PO-19	Color disc, ascorbic acid	\$91.95	
		5	Turbidity	LaMotte code 7519 For. Suppliers 77164	TTM TTM	Drop Count, visual comparison	\$68.95	
Qty.		Item #	Test Kit Refills	Company / Catalog Number	Model Number	Information	Price	
		6	Nitrate Test Kit N and NO <sub>3</sub>	Hach 24608-00	NI-14	100 tests	\$60.19	\$30.10
		7	Alkalinity	Hach 24443-00	AL-AP	100 tests - buy new kit	\$46.25	
		8	Phenolphthalein Indicator Powder Pillows	Hach 94299			\$16.75	
		9	Bromocresol Green Indicator Powder Pillows	Hach 94399			\$16.25	
		10	Sulfuric Acid - small bottle with dropper	Hach 2349732			\$13.05	
		11	Dissolved Oxygen - All Reagents	Hach 24398-02	OX-2P	100 tests	\$77.40	
		12	DO 1 Reagent	Hach 98199			\$16.69	
		13	DO 2 Reagent	Hach 98299			\$16.69	
		14	DO 3 Reagent	Hach 98799			\$24.59	
		15	Sodium Thiosulfate standard Solution - small bottle with dropper				\$9.70	
		16	Sodium Thiosulfate Standard Solution - 500ml bottle	Hach 24089-49		0,0109 N	\$17.85	
		17	Orthophosphate	Hach 2209-99	PO-19	100 tests	\$26.95	
		18	Turbidity	LaMotte 7520-H	TTM	60 ml bottle Turbidity Reagent	\$11.75	
Qty.		Item #	Extras for Test Kits	Company / Catalog Number	Model Number	Information	Price	
		19	sample bottles (A&B) 250mL	Fisher	02-896-2D	250 ml screw cap HDPE bottle	\$3.75	
		20	1 liter sample bottle for larger samples or waste	Fisher	02-895-1D	\$165.66 for 50 bottles	\$3.31	
		21	extra DO bottle (60mL)	Hach 1909-02	OX-2P	for DO kit, special glassware with cap	22.99 each!!!	
		22	Marked Square mixing bottles	Hach 232706	Hach	for alkalinity, DO kit, pack of 6	15.35 pk/6	\$2.56
		23	Measuring Tube, plastic	Hach 438-00	Hach	5.83 ml tube for DO kit	2.39 each	
		24	4 plastic test tubes with caps	Hach 46600-04	Hach	for nitrate kit 4 per pkg.	11.89 pkg	\$2.97
		25	caps for plastic test tubes	Hach 46600-14	Hach	for nitrate kit	\$8.85	
		26	glass test tube	Hach 1730-06	Hach	for phosphate kit only	19.96 pk/6	\$3.33
		27	stopper for glass test tube	Hach 1731-06	Hach	for glass test tube 1731-06	6.19 pk/6	
		28	Deionized water	Hach 27256	Hach	4mL for nitrates high range and phosphates kit	\$20.09	
		29	Deionized water	Hach 27242	Hach	100mL for nitrates high range and phosphates kit	\$6.49	
		30	Deionized water	Hach 27249	Hach	500 mL for nitrates high range and phosphates kit	\$8.29	
		31	Eyedropper with .5ml mark	Hach 14197-05	Hach	pkg of 5, 0.5 and 1 mL mark, glass	11.89 pk/5	
		32	Black Comparator Box	Hach 1732-00	Hach	for Colorwheel tests, just black comparator box	\$8.79	
		33	Long Path Viewing Adapter	Hach 24122-00	Hach	for phosphate test, goes in black comparator box	\$7.79	
		34	Mirror for Phosphates Kit	Meadville Plate Glass	r/a	mirror for viewing adapter	\$2.00	
		35	Turbidity Column	LaMotte 0835	LaMotte	for Turbidity kit	\$14.70	
		36	Graduated Cylinder (25mL)	Hach 2172-40	Hach	for sulfate SF-1 kit, plastic with 1mL markings	\$14.55	
		37	Sample cell, general type	Hach 24102-12	Hach	for sulfate, iron test kits, square plastic with black cap	57.65 pk/12	\$4.80
		38	Color discs Indicate Which test?	Hach	Hach	Color discs for inside black compartor box	\$26.50!! Price depends on test type	

Qty.	Item #	Meters	Company / Catalog Number	Model	Other Info.	Price	
	39	Pocket Thermometer	Fisher - S41578BW Vendor No.:M2015PABLS EMD	Eversafe Pocket Thermometers	Pocket w/ protect.metalcase -10 to +110C/1C Fisher Scientific	\$19.85	
	40	Conductivity Meter	LaMotte - 1749	EC/TDS/SALT TRACER PockeTester	TRACER	\$95.00	
	41	TDS meter - Oakton Waterproof TDS Testr Low	Fisher - cat# 13-200-229 ColeParmer - EW-35661-11	TDS Testr Low	Oakton	90.51 74.00	
	42	pH meter Oakton Waterproof EcoTester pH2 Pocket pH Tester	Cole Parmer WU-35423-10	Waterproof EcoTester pH2	Oakton	\$62.00	
	43	TDS Calibration Stock solution w/ bottle	Fisher bottle - solution from Cole Parmer EW-01489-93 Bottle 02-895B	Conductivity calibration standard, 445 µmhos, NIST traceabl, \$31.00/quart	INCLUDES NEW BOTTLE	\$7.50	
	44	pH Calibration Stock solution with bottle	Fisher		INCLUDES NEW BOTTLE	\$6.50	
	45	TDS Calibration Sample solution	Fisher		In small sample container	\$3.00	
	46	pH Calibration Sample solution	Fisher		In small sample container	\$3.00	
	47	small container for sample, calibration solution or Cadmium Waste (60mL)	Cole Parmer E-06758-52 or Fisher 14-377-833		Polypropylene small sample container that meter fits into for calibrating	\$27.75/12 or \$86.79 for 400	\$2.31
	48	Conductivity Standard 1413 uS/cm, 4L	Aquaphoenix	CS1413-G	source for smaller bottles	\$38.92	
	49	pH Standard	Aquaphoenix	BU5007-G	source for smaller bottles	\$31.57	
	50	Hearing aid batteries for meters	ahearingaid.com		for meters Size 675 Duracell 303/357	\$.50/battery	
<b>Biological/Macroinvertebrate Sampling and Identification Equipment</b>							
Qty.	Item #	Nets	Company / Catalog Number	Model	Other Info.	Price	Price
Check Wildlife Supply Company (WILDSCO) Catalog for more choices on nets							
<i>NOTE ON NET MESH SIZES = the smaller the _____um, the smaller the mesh size, the smaller the critters you can collect</i>							
	51	4ft. X 4ft. Kick net	Allegheny College	Creek Connections	home made w/ insect screening weights on the bottom, simple design	\$15.00	
	52	42in. X 45in. Kick net	Ben Meadows #2JA-224252		1,000 micron mesh, 52 in. handles, weighted bottom w/ leaded line, vinyl sleeves on each side, folds	\$156.00	
	53	35in x 45 in. Kick net - net only	For. Sup. #78012	LaMotte	Student grade kicknet. Ideal for student macroinvertebrate collection. Durable mesh net measures approximately 35" x 45" and has three inch pockets on opposite sides to hold poles in place. Poles are not supplied with unit.	\$31.75	
	54	D-frame Aquatic Net	For. Sup. #53755		500 um net, 12 in. wide net frame, combo polyester scoop and netting, fixed 40" handles	\$78.75	
Qty.	Item #	Accessory Biological Sampling Equipment	Company/Catalog Number	Model	Other Info.	Price	
	55	Featherweight Forceps	BioQuip #4750	BioQuip	recommended for picking up bugs	\$5.10	
	56	White Shower Curtain	Big Lots or WalMart		Great for laying kicknets on to better see macroinvertebrates and pick them off net	\$3.00	
	57	Sorting trays (white)	B & H Photo	PAT810W	They are actually film developing trays	\$4.49	
	58	Vials, with caps	Fisher 03-339-26B	Fisherbrand	1 dram 3.7mL vial with shell plain top and open bottom closure, tight seal, 144/pkg.	\$40.63	
	59	Vials, with caps	Fisher 03-339-26C	Fisherbrand	2 dram 7.4 mL vial with shell plain top and open bottom closure, tight seal, 144/pkg	\$49.61	