

Water Quality Test Kit Supplies

Item	Where to purchase	Total Cost	Cost/unit
Thermometers	<a href="#">Carolina Biological Supply:</a>	288 (for 100)	\$2.88
Water sample containers	<a href="#">Amazon:</a>	9.99 (for 100)	\$0.10
1 gallon ziplock bags	<a href="#">Amazon</a>	\$8.97 for 90 bags	\$0.10
pH test strips	<a href="#">Carolina Biological Supply:</a>	\$11.16 for 100 test strips	\$0.11
Nitrate/nitrite test strips	<a href="#">Carolina Biological Supply</a>	\$39.24 for 100 test strips	\$0.39
D.O. test tablets	<a href="#">Carolina Biological Supply</a>	\$38.07 for 100 test tablets	\$0.38
Phosphate test tablets	<a href="#">Carolina Biological Supply</a>	\$27.00 for 100 test strips	\$0.27
D.O. test vials	<a href="#">Carolina Biological Supply</a>	\$17.64 (for a pack of 36)	\$0.49
Phosphate test tube	<a href="#">Carolina Biological Supply</a>	\$342 (for 100)	\$3.42
Blue painter's tape	<a href="#">Amazon</a>	\$12.98 for a pack of 3	\$0.04
Data sheet (legal size color print)	<a href="#">Download from Blandy Education web pages</a> --see footnote	Free to download!	
<b>TOTALS</b>			<b>\$8.18</b>

**More info**

Student thermometer, low range , oC & oF); Request the education discount. The alternative thermometers aren't as accurate, but may be sufficient

5.5 oz plastic portion cups w/lids  
WalMart is an alternative source

Request an educator discount

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Request an educator discount.

LaMotte glass vial w/ screw cap; Request education discount

LaMotte plastic test tube w/cap; Request education discount. This is costly. Could eliminate if too expensive  
This tape comes off the paper without ripping it. One roll per 100 kits is plenty.

Print on 11" x 18" paper  
About \$8.18 per kit

**Potential Supply Alternatives**

[14.99 \(for 48\) so \\$0.32 each, 2 degree C intervals](#)

[we fill the tube to 5ml, I wonder if we could find a less expensive option, for example 50/\\$6.66 or 14c each 2. try the alternative vial suggested for phosphate \(untried by Blandy; we aren't sure that the plastic has sufficient clarity to see slight color](#)

**Brings cost down to \$2.34**

Supply	how many/much	Activity	Purchase	Print	Notes/where to purchase
Sand	3 buckets each day	Sediment	FALSE	FALSE	Lowe's
Clay	day	Sediment	FALSE	FALSE	?
Gravel		Sediment	FALSE	FALSE	Lowe's/Home Depot
Fish 'eggs'	(at least 300 go to	Sediment	FALSE	FALSE	<a href="#">from walmart (100 per container)</a>
Plastic pint containers		150 Sediment	TRUE	<a href="#">FALSE</a>	<a href="#">local deli for a donation! 60 for 240</a>
Straws		Sediment	TRUE	FALSE	<a href="#">again could ask for a donation)</a>
Beakers		Sediment	TRUE	<a href="#">FALSE</a>	<a href="#">ducts/beaker-plas-pp-250ml-100-</a>
Dice		150 Survival	FALSE	FALSE	<a href="#">aque-round-corner-dice-white-</a>
Lentils		Survival	FALSE	FALSE	Grocery store/bulk online
Small lidded containers for of students + all at home		Survival	FALSE	FALSE	<a href="https://smile.amazon.com/Freshwar">https://smile.amazon.com/Freshwar</a>
spoons	45	survival	TRUE	FALSE	<a href="#">amazon</a>
Turkey trays (to dump lenti 14 (1 at each station)		Survival	TRUE	FALSE	<a href="#">Order from uline</a>
Printedorganism cards		Food web	FALSE	FALSE	
Printed food cards		Food web	FALSE	TRUE	
Cups		Food web	FALSE	FALSE	<a href="#">amazon</a>
small baggies		Food web	FALSE	FALSE	<a href="#">ziploc baggies</a>
Paper lunch bags			FALSE	FALSE	

Price per unit (based

3.5	0.05
	0.05
4.5 ?	
2.5	0.03
60	0.25
	0.05
Can use a measuring cu	0.7
<a href="#">0.18 each</a>	0.18
	0.05
12.99 for 100	0.13

	0.05
3	0.02
	0.02

1.58

Activity	Material	I (in person) or R (remote)	Link to buy/where to buy	Cost
turbidity	Wax paper - torn into 10"		<a href="https://www.amazon.com/gp/product/B07ND464DQ/ref=ox_sc_act_title_1?smid=AWRV0GG7LZ2DD&amp;psc=1">Target https://www.amazon.com/gp/product/B07ND464DQ/ref=ox_sc_act_title_1?smid=AWRV0GG7LZ2DD&amp;psc=1</a>	1.79
turbidity	Sharpie (fine point; not ultra fine point)		<a href="https://www.amazon.com/gp/product/B07Z8K3BTQ/ref=ox_sc_act_title_1?smid=A1919NYIH5072G&amp;psc=1">https://www.amazon.com/gp/product/B07Z8K3BTQ/ref=ox_sc_act_title_1?smid=A1919NYIH5072G&amp;psc=1</a>	20
turbidity & Schoolyard Surfaces	Painters tape		lowes <a href="https://www.amazon.com/gp/product/B07Z8K3BTQ/ref=ox_sc_act_title_1?smid=A1919NYIH5072G&amp;psc=1">https://www.amazon.com/gp/product/B07Z8K3BTQ/ref=ox_sc_act_title_1?smid=A1919NYIH5072G&amp;psc=1</a>	4.5
turbidity	Paint tray liners (need to check if these will be too flimsy)		<a href="https://www.fishersci.com/shop/products/beaker-plas-pp-250ml-100-pk/nc1660928">https://www.fishersci.com/shop/products/beaker-plas-pp-250ml-100-pk/nc1660928</a>	16.99
turbidity	Beakers		<a href="https://www.walmart.com/ip/Dixie-Everyday-9oz-Cold-Beverage-Paper-Cups-50ct/935535882">https://www.walmart.com/ip/Dixie-Everyday-9oz-Cold-Beverage-Paper-Cups-50ct/935535882</a>	35.19
turbidity	Water			
turbidity	Paper cup		<a href="https://www.amazon.com/Medicine-Cups-1oz-Disposable-Graduated/dp/B0711BG3D1">https://www.amazon.com/Medicine-Cups-1oz-Disposable-Graduated/dp/B0711BG3D1</a>	2.48
turbidity	Mixing tool			
turbidity	small measuring cup		<a href="https://www.amazon.com/Medicine-Cups-1oz-Disposable-Graduated/dp/B0711BG3D1">Flour paste (E did 2 oz flour to 11 oz water when we did the demo with teachers)</a>	8.98
turbidity	Flour (measuring tool for the flour?)	we can use the measuring cup above		
Schoolyard Surfaces	Transparencies	R	<a href="#">Amazon or office supply</a>	19

Schoolyard Surfaces	Markers Blue	R	<a href="#">Blue</a> and <a href="#">Brown</a>	7
Schoolyard Surfaces	Markers Brown	R	Brown	6.87
Schoolyard Surfaces	Colored pencils (red and green)	R	<a href="#">Green</a>	15.52
Schoolyard Surfaces	Colored pencils Red	R	<a href="#">Red</a>	9.86
Schoolyard Surfaces	Dry erase	R		
	Paper bag			
Surfaces	Marbles		<a href="#">Amazon</a>	for

Q needed	Total cost	Per unit	Substitute?
			0.02
	40		0.4
	4.5		0.04
6	101.94		1.01 can use a aluminum baking pan or cookie sheets elevated
4	140.76		0.7
2	4.96		0.05
(pack of 200)	8.98		0.05
			gluten free flour
1	19		0.19

4	28	0.28
4	27.48	0.28
4	62.08	0.62
2	19.72	0.5
1	17	0.03

4.17