Dartmouth Rural S	TEM Educator Partnership														
2022-2023 Supply	•														
	, =														
Lesson:	Gel Electrophoresis														
*Quantity: We priced	it out for all students														
					in 2023										
Item (include a link to	the item)	Price/unit	Quantity*	Total Price	Discounted Prices										
blueGel Electrophores	sis Unit (https://www.minipcr.com/product/bluege	\$2,350.00	5	\$11,750.00	\$11,200.00	Packs of 8, need 5	8-packs for 40	units							
SeeGreen All-in-One Agarose Tablets (https://www.minipcr.com/produ		\$40.00	10	\$400.00	\$340.00	Total cost: Each bo	x has 20 tablet	s and each tablet	makes 1-2 gels.	Each teacher we	ould need two pacl	s, Heather would	need four packs.		
TBE Powder (https://www.minipcr.com/product/tbe-electrophoresis-bu		\$15.00	4	\$60.00	\$50.00	This is total cost be	cause one bot	le makes 3L of T	BE. Each gel tar	ık needs 30mL, s	o each bottle make	es 100 tanks of bu	ffer. Would desire	one per teacher.	
Pipettes fixed 10, 1 per unit (40 total) (https://www.minipcr.com/produc		\$95.00	4	\$380.00	\$348.00	Packs of 10, want	4 packs for 40 t	otal pipets, 1 per	2 students						
BioRad Lamda DNA Kit https://www.bio-rad.com/en-us/sku/1660011E		\$86.00	30	\$2,580.00	\$2,580.00	Each kit contains 1	0x of 4 sample	s (40 total loadab	le samples). Eac	h student pair ne	eds 5 samples, ea	ch one once and a	duplicate unknow	n. Need 5 samples	s per pair.
Microwave (https://ww	w.amazon.com/Farberware-FMO07ABTBKA-70	\$80.00	4	\$320.00	\$320.00	Total cost: would no	eed one microv	vave per teacher.							
2-200 uL pipet tips, ba	ags of 100 https://www.minipcr.com/product/2-20	\$4.00	10	\$40.00	\$36.00										
50 mL beakers (https://	//www.amazon.com/ULAB-Scientific-Beakers-Bo	\$16.99	4	\$67.96	\$67.96	Pack of 12									
Pot holders (https://ww	ww.amazon.com/Hotsyang-Silicone-Trivets-Cou	\$15.80	3	\$47.40	\$47.40	Pack of 6									
Tube Racks (https://w	ww.amazon.com/OLYCRAFT-Polypropylene-Mi	\$22.99	7	\$160.93	\$160.93	Pack of 6									
Quart Size ziplock Bag	gs (https://www.amazon.com/Ziploc-Slider-Free	\$24.19	2	\$48.38	\$48.38	Each has 4 boxes	of 36 bags								
1 liter graduated cylind	der (https://www.amazon.com/Graduated-Gradu	\$49.99	1	\$49.99	\$49.99	Pack of 6, 1 per tea	acher								
1 gallon jug		Ask teachers to u	ise recycled ones	?											
Cling wrap (https://ww	w.amazon.com/PackageZoom-Stretched-Stretc	\$58.00	1	\$58.00	\$58.00	4 rolls, 1 per teach	er will be plenty								
Tube Labels (https://w	ww.amazon.com/Argos-Multi-Color-Micryo-Cryo	\$120.15	1	\$120.15	\$120.15										
0.5 mL tubes, about 1	000 total, VWR 470228-444 sells pack of 500 ht	\$29.40	2	\$58.80	\$58.80										
TOTAL PRICE FOR E	BLUEGEL UNITS:			\$16,141.61	\$15,485.61										
BandIts		\$560.00	5	\$2,800.00											
SeeGreen All-in-One	Agarose Tablets (https://www.minipcr.com/produ	\$40.00	10	\$400.00											
TBE Powder (https://w	www.minipcr.com/product/tbe-electrophoresis-bu	\$15.00	4	\$60.00											
BioRad Lamda DNA K	(it https://www.bio-rad.com/en-us/sku/1660011E	\$86.00	30	\$2,580.00											
Pipettes fixed 10, 1 pe	er Bandit (40 total) (https://www.minipcr.com/pro	\$95.00	4	\$380.00											
2-200 uL pipet tips, ba	ags of 100 https://www.minipcr.com/product/2-20	\$4.00	10	\$40.00											
Blue Light Transillumin	nators (https://www.minipcr.com/product/bluebox	\$260.00	4	\$1,040.00											
Microwave (https://ww	w.amazon.com/Farberware-FMO07ABTBKA-70	\$80.00	4	\$320.00											
0.5 mL tubes, about 1	000 total, VWR 470228-444 sells pack of 500 ht	\$29.40	2	\$58.80											
Tube Racks (https://w	ww.amazon.com/OLYCRAFT-Polypropylene-Mi	\$22.99	7	\$160.93											
1 liter graduated cylind	der (https://www.amazon.com/Graduated-Gradu	\$49.99	1	\$49.99		Pack of 6									
50 mL beakers (https:/	//www.amazon.com/ULAB-Scientific-Beakers-Bo	\$16.99	4	\$67.96											
Cling wrap (https://ww	w.amazon.com/PackageZoom-Stretched-Stretc	\$58.00	1	\$58.00											
Quart Size ziplock Bag	gs (https://www.amazon.com/Ziploc-Slider-Free	\$24.19	2	\$48.38											
Tube Labels (https://w	ww.amazon.com/Argos-Multi-Color-Micryo-Cryo	\$120.15	1	\$120.15											
1 gallon jug		Ask teachers to use recycled ones?		?											
Pot holders (https://ww	ww.amazon.com/Hotsyang-Silicone-Trivets-Cou	\$15.80	3	\$47.40											
TOTAL PRICE FOR E	BANDIT UNITS			\$8,231.61											