

AquaPhoenix Scientific Inc.
OpenSciEd Lab Materials Kits
Grades 9-12

MEMORANDUM OF UNDERSTANDING
CONTRACTUAL PERIOD: MARCH 15, 2022 - JUNE 30, 2023

Contract #: 4400024349

This program is offered in the following language(s):
English

Attachment 1

OSE-C-1-CON	Thermodynamics in Earth's Systems Consumable Kit	\$ 88.71
OSE-C-1-NON	Thermodynamics in Earth's Systems Non-Consumable Kit	\$ 375.87
OSE-C-4-CON	Chemical Reactions in Our World Consumable Kit	\$ 189.25
OSE-C-4-NON	Chemical Reactions in Our World Non-Consumable Kit	\$ 158.48
OSE-P-1-CON	Energy Transfer from Earth's Systems into our Communities Consumable Kit	\$ 81.56
OSE-P-1-NON	Energy Transfer from Earth's Systems into our Communities Non-Consumable Kit	\$ 270.21
OSE-P-5-CON	Electromagnetic Radiation Consumable Kit	\$ 184.64
OSE-P-5-NON	Electromagnetic Radiation Non-Consumable Kit	\$ 446.77
OSE-B-3-CON	Inheritance & Variation of Traits Consumable Kit	\$ 125.41
OSE-B-3-NON	Inheritance & Variation of Traits Non-Consumable Kit	\$ 152.00
OSE-B-4-NON	Natural Selection & Evolution of Populations Non-Consumable Kit	\$ 65.57

AquaPhoenix Scientific

Contact:

Jessica Haverkock

717.680.0650

jhaverkock@aquaphoenixsci.com

or

Customer Service

717.632.1291

info@aquaphoenixsci.com

Chemistry 1

Items Requested		QTY	APS Part Number	Item Description	Kit QTY	Unit Price	Ext. Price	
mics in Earth's Systems Consumable Kit	Crayola modeling clay	Consumable	7 sticks	CM-5004-P	Clay, Four Colors, modeling, 1lb	2	\$ 1.83	\$ 3.67
	FOAMULAR foam panel R-10 Project Foam Panels (2' x 2' x 2")	Consumable	1/2 sheet		Foamular, 2" thick, 2'x1'	1	\$ 9.27	\$ 9.27
	Low temp hot glue sticks (same diameter as is used by glue gun)	Consumable	3	GL-5051-15PK	Cool Shot Glue Sticks, Pk15	1	\$ 1.60	\$ 1.60
	Ziploc bags - quart size, storage NOT freezer bags	Consumable	20		Bag, Resealable, Quart, box/20	1	\$ 2.08	\$ 2.08
	1mL disposable plastic pipette	Consumable	7	PP-5352-P	Beral Pipet, 1mL, 3-1/2"L	7	\$ 0.07	\$ 0.47
	24" x 36" graph poster paper (1" grid paper) - # of individual pieces needed listed	Consumable	1 piece per class		Graph Chart Paper, Sheet, 27x34"	1	\$ 0.35	\$ 0.35
	Table salt 4lb	Consumable	4lbs	SA-5200-4LB	Salt, Table 4lbs	1	\$ 2.48	\$ 2.48
	1 oz bottle red food coloring	Consumable	1	FC-5937-P	Food Coloring, 4/pk	4	\$ 3.38	\$ 13.53
	1 oz bottle yellow food coloring	Consumable	1	Included Above			\$ -	\$ -
	1 oz bottle green food coloring	Consumable	1	Included Above			\$ -	\$ -
	1 oz bottle blue food coloring	Consumable	1	Included Above			\$ -	\$ -
	clear plastic ruler	Locally sourced	35	Teacher supplied			\$ -	\$ -
	Chart paper markers	Locally sourced	1	Teacher supplied			\$ -	\$ -
	chart paper (blank)	Locally sourced	1	Teacher supplied			\$ -	\$ -
	sticky notes	Locally sourced	105	PN-5014-N	Sticky note, 3x3", NOT yellow	2	\$ 1.22	\$ 2.43
	30-qt (or bigger) insulated cooler	Locally sourced	1	Teacher supplied			\$ -	\$ -
	ultra fine tip permanent marker	Locally sourced	7	Teacher supplied			\$ -	\$ -
	clear tape	Locally sourced	7	TP-5022-C	Tape, Transparent, 1/2" x 500"	7	\$ 0.42	\$ 2.92
	100 mL clear plastic graduated cylinder (make sure its relatively clear plastic)	Locally sourced	14	CY-5100-P	Cylinder, Grad, Poly, 100mL	14	\$ 0.73	\$ 10.27
	distilled water	Locally sourced	1 gllon per class	Teacher supplied			\$ -	\$ -
	1000mL beaker	Locally sourced	1	BK-5001-P	Beaker, Poly, 1000 mL	1	\$ 1.17	\$ 1.17
white board markers	Locally sourced	35	Teacher supplied			\$ -	\$ -	
				Labor and Packaging	1	\$ 38.48	\$ 38.48	
			OSE-C-1-CON	Consumable Kit Price			\$ 88.71	

Items Requested		QTY	APS Part Number	Item Description	Kit QTY	Unit Price	Ext. Price	
Thermodyna mics in Earth's Systems Non-Consumable Kit	Square Clear Deli Containers (48-oz) with Lids	Permanent	14		Deli Container, square, 48oz.	14	\$ 1.17	\$ 16.33
	Earth squish ball	Permanent	18	GB-5618-UL	Lid for Square Deli container	14	\$ 0.47	\$ 6.53
	Low Temp Hot Glue Gun	Permanent	3	GL-5050-W	Globe Stress Ball	18	\$ 1.72	\$ 30.90
	Large silicone ice cubes trays (1.8" wide ice cubes), 8 cubes per tray	Permanent	2 trays per clas		Cool Shot Glue Gun	3	\$ 5.23	\$ 15.70
	24-ounce plastic cups	Permanent	14		Ice Cube Tray, Silicone, 8 Cube, 2"	2	\$ 11.13	\$ 22.27
	Utility blade with snap blades	Permanent	1	UK-5013-R	Cup, Plastic, Clear, 24oz, each	14	\$ 0.17	\$ 2.33
	Digital scale (up to 1000 g with 0.1g accuracy)	Permanent	7	SC-5601-B	Craft Knife, Snap-off blades	1	\$ 1.72	\$ 1.72
	Empty milk gallon container with lid	Permanent	6	S-5691-P	Scale, Digital, 2000Gx0.1G	7	\$ 18.75	\$ 131.25
	Syringe (5 mL)	Permanent	1		Gallon Milk Jug	6	\$ 1.73	\$ 10.40
	Whiteboards - small, personal size	Permanent	7	DB-5004-P	Syringe, 5mL, Luer-Slip	1	\$ 1.23	\$ 1.23
	20 oz styrofoam cups with lids	Permanent	30	SC-5021-C	Dry Erase Board, 9x12"	7	\$ 1.62	\$ 11.32
					Lid, for Styrofoam Cup 20oz.	30	\$ 0.18	\$ 5.50
	Digital meat thermometer with +6" probe	Permanent	8 per class	TH-5006-DM	Cup, Styrofoam, 20oz.	30	\$ 0.07	\$ 2.00
	30-qt (or bigger) insulated cooler	Locally sourced	1	Teacher supplied	Thermometer, Digital, Meat	8	\$ 8.62	\$ 68.93
					Cooler	0		\$ -
					Labor and Packaging	1	\$ 49.45	\$ 49.45
			OSE-C-1-NON	Non-Consumable Kit Price			\$ 375.87	

Chemistry 4

	Items Requested	QTY	APS Part Number	Item Description	Kit QTY	Unit Price	Ext. Price	
Chemical Reactions in Our World Consumable Kit	1M HC2H3O2 (CH3COOH)	Consumable 1 L Bottle	AA2021-Q	Acetic Acid 0.1M, 1L	1	\$ 15.98	\$ 15.98	
	1 M HCl	Consumable 500 mL	HA6145-P	Hydrochloric Acid, 1M, 500mL	1	\$ 11.68	\$ 11.68	
	Universal pH paper	Consumable 84 strips	PH-5000-100PK	pH Strips, 1-14, 100PK	1	\$ 1.75	\$ 1.75	
	20-ct thin stem 3 mL plastic pipette	Consumable 14 pipettes	PP-5003-P-BULK	Pipette, Plastic, 7mL	14	\$ 0.03	\$ 0.47	
	22 oz clear cup	Consumable 7 cups	CC-5220-P	Cup, Clear, 20oz, PET	7	\$ 0.15	\$ 1.06	
	Dixie cup - 9 oz cups	Consumable 7 cups	CC-5019-P	Cup, Paper, Waxed, 9oz	7	\$ 0.13	\$ 0.93	
	Weighing paper 500 ct	Consumable 105 sheets	BP-5200-P	Paper Squares, 4x4", 500PK	1	\$ 7.50	\$ 7.50	
	Filter paper (15 cm)	Consumable 70 sheets	FP-5011-100PK	Filter paper, 11cm, 100pk	1	\$ 5.00	\$ 5.00	
	500 g KOH	Consumable 50 g	PH1003-I	Potassium Hydroxide, 50g	1	\$ 5.93	\$ 5.93	
	1M NH4OH	Consumable 100 mL	AH1090-100ML	Ammonium Hydroxide, 1.0M, 100m	1	\$ 10.17	\$ 10.17	
	1MH2SO4	Consumable 100 mL	SA1640-100ML	Sulfuric Acid, 2.0N, 100mL	1	\$ 3.84	\$ 3.84	
	Food coloring	Consumable 0.25 oz bottle	FC-5932-R	Food Coloring, Red, 2 oz	2	\$ 3.35	\$ 6.70	
	Bromothymol blue (1000 mL)	Consumable 250mL	BB5025-A	Bromthymol Blue Indicator Solution	1	\$ 3.45	\$ 3.45	
	500 g NaOH	Consumable 100 g	SH6000-J	Sodium Hydroxide, 100g	1	\$ 6.13	\$ 6.13	
	Aluminum foil	Consumable a few square feet	AL-5408-S	Aluminum Foil Sheet 12x10.75"	1	\$ 0.05	\$ 0.05	
	Baking soda	Consumable 250g	BS-5008-B	Baking Soda Box, 8 oz	1	\$ 1.12	\$ 1.12	
	100 g sodium oxalate	Consumable 20g	SO3310-25G	Sodium Oxalate, 25g	1	\$ 6.46	\$ 6.46	
	500 g oxalic acid	Consumable 50g	OX3000-I	Oxalic Acid, 50g	1	\$ 7.27	\$ 7.27	
	Marble chips or other solid (not powdered) calcium carbonate	Consumable 10g	CC1018-15G	Calcium Carbonate, Marble Chips	1	\$ 3.33	\$ 3.33	
	Sodium carbonate anhydrous 500 g	Consumable 50g	SC1001-J	Sodium Carbonate, 100g	1	\$ 4.42	\$ 4.42	
	Anhydrous CaCl2 500 g	Consumable 50g	CC1035-J	Calcium Chloride, 100g	1	\$ 5.50	\$ 5.50	
	Sticky notes	Consumable 3 pads	PN-5014-N	Sticky note, 3x3", Assorted color	3	\$ 1.22	\$ 3.65	
	gallon distilled water	Locally-Sourced 5 gallons	Teacher supplied		0	\$ -	\$ -	
			2 20-sheet pads or					
		chart paper	Locally-Sourced 1 30-sheet pad	Teacher supplied		0	\$ -	\$ -
		20 lb bag of ice	Locally-Sourced 1 bag	Teacher supplied		0	\$ -	\$ -
		Lesson 3 cards (cut and laminated)	Locally-Sourced 35 sets	Teacher Print?		0	\$ -	\$ -
		Lesson 7 cards (cut and laminated)	Locally-Sourced 35 sets	Teacher Print?		0	\$ -	\$ -
		Lesson 10 cards (cut and laminated)	Locally-Sourced 35 sets	Teacher Print?		0	\$ -	\$ -
		Whiteboard markers	Locally-Sourced 35 markers	MK-5033-PK	Dry Erase Marker, 12 Pack	3	\$ 5.78	\$ 17.35
		can/bottle of carbonated water/seltzer	Locally-Sourced 1 bottle	Teacher supplied		0	\$ -	\$ -
		masking tape (or any tape that will hold the two cups together)	Locally-Sourced a few feet	TP-5023-M-BULK	Tape, Masking, .71" x 30yd	1	\$ 0.73	\$ 0.73
		markers (for paper)	Locally-Sourced 14 markers	Teacher supplied		0	\$ -	\$ -
		white board markers	Locally sourced 35				\$ -	\$ -
					Labor and Packaging	1	\$ 58.77	\$ 58.77
				OSE-C-4-CON	Consumable Kit Price			\$ 189.25

	Items Requested	QTY	APS Part Number	Item Description	Kit QTY	Unit Price	Ext. Price
Chemical Reactions in Our World Non-Consumable Kit	1000 mL storage bottle	Permanent 3 bottles	BO-1000-P	Bottle, 1L, Nat, HDPE, BR, w/cap	3	\$ 1.75	\$ 5.25
	Well plates	Permanent 7 plates	SP-5015-P	Spot Plate, 24 Wells	7	\$ 2.00	\$ 14.00
	Sheet protectors	Permanent 35	SP-5105-P	SP-5103-P	1	\$ 4.62	\$ 4.62
	Scoopula	Permanent 2 scoopulas	SC-5007-P	Scoop, Lab, Stainless Steel	2	\$ 1.17	\$ 2.33
	Staples	Permanent 1 pack (any size)	ST-5000-BX	Staples, 1/4", box of 5,000	1	\$ 3.83	\$ 3.83
	Paper clips	Permanent 1 pack (of 100+)	PC-5000-S	Paper Clips, #1, 100/box	1	\$ 0.25	\$ 0.25
	250 mL beakers	Permanent 7 beakers	BK-4250-G	Beaker, Glass, 250mL	7	\$ 7.73	\$ 54.13
	90 mm funnel	Permanent 7 funnels	FN-5116-P-BULK	Funnel, Poly, Powder, 90mL capacity	7	\$ 0.55	\$ 3.85
	Stir rods	Permanent 7 stir rods	SR6913	Stir Rod, 12", glass	7	\$ 1.37	\$ 9.57
	Can re-use 30-qt cooler from polar ice	Permanent 1 cooler	Teacher Supplied		0	\$ -	\$ -
	500 mL volumetric flask	Permanent 1 flask		Flask, Volumetric, Glass, 500mL	1	\$ 10.00	\$ 10.00
	Thermometer	Received in a previous kit 3 thermometers	Received in a previous kit		0	\$ -	\$ -
	Digital scale	Received in a previous kit 2 scales	Received in a previous kit		0	\$ -	\$ -
	100 mL graduated cylinder	Received in a previous kit 1 cylinder	Received in a previous kit		0	\$ -	\$ -
				Labor and Packaging	1	\$ 50.65	\$ 50.65
			OSE-C-4-NON	Non-Consumable Kit Price			\$ 158.48

Physics 1

Items Requested		QTY	APS Part Number	Item Description	Kit QTY	Unit Price	Ext. Price	
Energy Transfer from Earth's Systems into our Communitites Consumable Kit	sandpaper	Consumable	1 sheet	SP5040	Sandpaper, 1/4 sheet, fine	1	\$0.22	\$0.22
	28-gauge wire	Consumable	3000 nches ((or 2 oz.) per group)	MW-5028-SP	Magnet Wire, 28AWG, 4oz Spool	4	\$10.80	\$43.20
	small jewelry box	Consumable	1	S-8560	Box, 3.0625 x 2.125 x 1, Jewelry ,White	7	\$0.62	\$4.32
	large sticky notes (8x6)	Consumable	1 pad per class	PN-5015-P	Post It Note Pad, 8x6"	1	\$4.25	\$4.25
	Pad of sticky notes (3x3)	Locally Sourced	1	PN-5014-N	Sticky note, 3x3", NOT yellow	1	\$1.22	\$1.22
	sticky dots	Locally Sourced	25	LB-5200-PK	Labels, Color Coding, 3/4", pack	1	\$3.63	\$3.63
	Black Markers	Locally Sourced	1 per class	Teacher supplied			\$0.00	\$0.00
	Chart Paper	Locally Sourced	1 pad per class	Teacher supplied			\$0.00	\$0.00
	flat head screwdriver	Locally Sourced	1	Teacher supplied			\$0.00	\$0.00
	Philips screwdriver	Locally Sourced	1	Teacher supplied			\$0.00	\$0.00
	tape	Locally Sourced	roll	TP-5022-C	Tape, Transparent, 1/2" x 500"	1	\$0.42	\$0.42
	blank paper	Locally Sourced	1/2 sheet	Teacher supplied			\$0.00	\$0.00
	blue markers	Locally Sourced	1	Teacher supplied			\$0.00	\$0.00
	cardboard box	Locally Sourced	1	Teacher supplied			\$0.00	\$0.00
	red markers	Locally Sourced	1	Teacher supplied			\$0.00	\$0.00
	green markers	Locally Sourced	1	Teacher supplied			\$0.00	\$0.00
	scissors	Locally Sourced	1	Teacher supplied			\$0.00	\$0.00
Markers	Locally Sourced	1 set	Teacher supplied			\$0.00	\$0.00	
calculator	Locally Sourced	5	Teacher supplied			\$0.00	\$0.00	
					Labor and Packaging	1	\$24.31	\$24.31
					OSE-P-1-CON	Consumable Kit Price		\$81.56

Items Requested		QTY	APS Part Number	Item Description	Kit QTY	Unit Price	Ext. Price		
Energy Transfer from Earth's Systems into our Communitites Non- Consumable Kit	power strip without surge protector or circuit board	Permanent	7	PS-5306-R	Belkin Power Strip	7	\$ 8.33	\$ 58.33	
	toggle switch	Permanent	8		Switch, Rocker, SPST	8	\$ 0.65	\$ 5.20	
	D battery alkaline	Permanent	7	BA-5902-A	Battery, D Size, Single	7	\$ 0.83	\$ 5.83	
	alligator clips with one end stripped off to tape to the battery	Permanent	14	AC-5002-2PK	Alligator Clip Leads, 12", 2PK	47	\$ 1.42	\$ 66.58	
	blue yarn	Permanent	7 1-yard strips		Yarn, Red, skein	1	\$ 1.67	\$ 1.67	
	red yarn	Permanent	7 1-yard strips		Yarn, Blue, skein	1	\$ 1.67	\$ 1.67	
	incandescent "grain of wheat" bulbs	Permanent	35	LP-5203-G	Grain of Wheat Bulb, 1.5V, 100mA	35	\$ 0.43	\$ 15.17	
	alligator clips	Permanent	80 (includes a few extra)		Included above	0	\$ -	\$ -	
	iron nail - 5 inch	Permanent	7	NL-5004-G	Nails, Galv, 3.5"	7	\$ 0.17	\$ 1.17	
	compasses - 0.6" diameter	Permanent	12	DC-5002-D	Compass, Directional, 16mm	12	\$ 0.17	\$ 2.00	
	magnets - round, cylinder, 4mm x 8mm	Permanent	14		Magnet, 3.175mm x 9.5mm, Cylindrical	14	\$ 0.72	\$ 10.03	
	hand crank DC generator	Permanent	1	GE-5000-H	Hand Crank Generator	1	\$ 10.55	\$ 10.55	
	LED bulbs	Permanent	21		Super Bright Red LED, 8mm	21	\$ 1.32	\$ 27.65	
	Dissecting Generator	Permanent	2		Mini Demonstration Motor Generator	2	\$ 14.98	\$ 29.97	
						Labor and Packaging	1	\$ 34.39	\$ 34.39
						OSE-P-1-NON	Non-Consumable Kit Price		\$ 270.21

Physics 5

	Items Requested		QTY	APS Part Number	Item Description	Kit QTY	Unit Price	Ext. Price
Electromagnetic Radiation Consumable Kit	Aluminum foil	Consumable	14" x 12" inch square	AL-5410-R	Aluminum Foil Roll 12" x 75'	1	\$4.90	\$4.90
	Permanent markers	Consumable	n/a	MK5004	Marker, Permanent, fine, Black	0	\$1.08	\$0.00
	D cell battery	Consumable	7	BA-5902-A	Battery, D Size, Single	7	\$0.83	\$5.83
	Faraday tape	Consumable	1 roll		Ni/Cu/Co FABRIC TAPE	1	\$41.58	\$41.58
	Microwave safe plastic wrap	Consumable		PW-5201-R	Plastic wrap, 100 Sq Ft roll	1	\$3.22	\$3.22
	White cardstock, 100lb, 11x17	Consumable	5 sheets		Cardstock, 11x17", 110lb	5	\$0.17	\$0.83
	Whey protein	Consumable	it all groups will use this item)	WP-5000-P	Whey Protein Powder, 12oz.	1	\$21.65	\$21.65
	Sugar	Consumable	(not all groups will use this item)	SP-5126-R	Sugar, 1lb Container, Kosher	2	\$2.77	\$5.53
	Vegetable oil	Consumable	(not all groups will use this item)	VO-5016-B	Vegetable Oil, 16oz	1	\$4.03	\$4.03
	SPF 50 sunscreen	Consumable	1 bottle	SC-5545-P	Sunscreen, SPF 50, 8 oz	1	\$7.22	\$7.22
	Sticker dots, 3 colors	Consumable	105	ST-5126-328PK	Stickers, 3/4" Dot Labels	1	\$10.83	\$10.83
	Chart paper	Locally Sourced	15	Teacher supplied			\$0.00	\$0.00
	shredded cheese, 8 oz bag	Locally Sourced	1 bag	Teacher supplied			\$0.00	\$0.00
	sticky notes	Locally Sourced	70 sheets	PN-5014-N	Sticky note, 3x3", Assorted color	1	\$1.22	\$1.22
	Dry erase markers	Locally Sourced	35	MK-5021-4PK	Marker, Dry Erase, 4PK	9	\$4.82	\$43.35
	Cardboard	Locally Sourced	7 - 10 cm squares	Teacher supplied			\$0.00	\$0.00
	tape	Locally Sourced	1 roll	TP-5022-C	Tape, Transparent, 1/2" x 500"	1	\$0.42	\$0.42
	American cheese slices, singles	Locally Sourced	100 slices	Teacher supplied				
	Plastic spoon	Locally Sourced	7	Teacher supplied				
						Labor and Packaging	1	\$34.01
				OSE-P-5-CON	Consumable Kit Price			\$184.64
Electromagnetic Radiation Non- Consumable Kit	Plastic container	Permanent	3		Container w/lid, Microwavable	3	\$0.27	\$0.80
	#12 rubber stoppers	Permanent	4	ST-5326-S	Stopper, Rubber, #6, Solid	4	\$0.35	\$1.40
	Oven mitts/ pot holder	Permanent	2	PH-5200-M	Pot Holder, Hot Pad, 8" x 8"	2	\$1.73	\$3.47
	Kitchen scale	Permanent	1	SC-5604-B	Scale,Digital, 2000Gx0.1G	1	\$15.83	\$15.83
	Microwave oven (oven that is a minimum 10" deep and 11.75" wide inside)	Permanent	1		Countertop Microwave	1	\$81.67	\$81.67
	Plastic or glass cutting board - dimensions TBD based on microwave	Permanent	1		Glass cutting board, 11"x8"	1	\$16.65	\$16.65
	Individual whiteboard update (can be piece of laminated paper or paper in a sleeve)	Permanent	35	DB-5004-P	Dry Erase Board, 9x12"	35	\$1.62	\$56.58
	Twine	Permanent	135-140 inches	KS-5230-C-BULK	Cotton twine, 4 ply, 840 ft Wire, #22, solid, uninsulated,	1	\$1.48	\$1.48
	22 AWG Copper Wire	Permanent	105-140 cm	WI-5108-50FT	copper	1	\$3.33	\$3.33
	Sandpaper	Permanent	ly a tiny strip from a package	SP5040	Sandpaper, 1/4 sheet, fine	4	\$0.22	\$0.87
	Incandescent light bulb, G12 base	Permanent	4		Incandescent bulb, G12?	4	\$0.78	\$3.13
	Mylar tinsel	Permanent	7 stands		Tinsel Incecles, 500pk	1	\$3.32	\$3.32
	Plastic ruler	Permanent	1	RI-5015-P	Ruler, Plastic, Clear, 12"	1	\$0.48	\$0.48
	Faraday fabric	Permanent	plus 1 customized envelope (1 sq. ft. pe		Shielding Mesh, 3ft	1	\$36.67	\$36.67
	IR temperature gun	Permanent	1	TH-5301-R	Thermometer, Infrared	1	\$38.32	\$38.32
	100mL Beakers	Permanent	2	BK-5100-G	Beaker, 100 mL, White Markings	2	\$0.92	\$1.83
	Polypropylene, 50 mL beaker	Permanent	42	BK-5050-P	Beaker, 50 mL, Poly	42	\$0.25	\$10.50
	Meat probe thermometer	Permanent	really 7, could be just 5	TH-5006-DM	Thermometer, Digital, Meat	7	\$10.00	\$70.00
	Microwave safe plastic plates	Permanent	7		Plate, White 6 1/2" Polycarbonate	7	\$3.77	\$26.37
	CKF Clear .75oz Hook Top Clamshell H	Permanent	24		CKF Clear .75 oz. Hook Top Clamshell Herb Pack - 500/Case	24	\$0.22	\$5.20
UV beads	Permanent	42	UV-5670-250PK	UV Beads, 250/pk	1	\$4.17	\$4.17	
Alligator clips - re-use from P.1 kit	Received in a pre	14	Received in a previous kit			\$0.00	\$0.00	
Compasses - re-use from P.1 kit	Received in a pre	35	Received in a previous kit			\$0.00	\$0.00	
stopwatch	Locally Sourced	1	SW-5000-P-BULK	Stopwatch, Digital	1	\$3.23	\$3.23	
					Labor and Packaging	1	\$61.47	\$61.47
				OSE-P-5-NON	Non-Consumable Kit Price			\$446.77

Biology 3

	Items Requested		QTY	APS Part Number	Item Description	Kit QTY	Unit Price	Ext. Price
Inheritance & Variation of Traits Consumable Kit	UV sensitive yeast kit WITH	Consumable Item	1		UV sensitive yeast kit WITH yeast ccoupon	1	\$45.21	\$45.21
	Aluminum Foil	Locally Sourced	1 roll	AL-5408-R-BULK	Aluminum Foil Roll 12"	1	\$1.48	\$1.48
	Plastic Wrap	Locally Sourced	1 roll	PW-5201-R	Plastic wrap, 100 Sq Ft roll	1	\$3.22	\$3.22
	Ethanol or Bleach	Locally Sourced			Bleach, 11oz.	1	\$2.08	\$2.08
	Permanent Marker	Locally Sourced	1	Teacher supplied		0	\$0.00	\$0.00
	Various Types of Sunscreen (optional for inquiry)	Locally Sourced	optional, sahred by the whole class					
				SC5504-E	Sunscreen, 4 SPF, 12mL	1	\$5.23	\$5.23
				SC5508-E	Sunscreen, 8 SPF, 12mL	1	\$5.23	\$5.23
				SC5515-E	Sunscreen, 15 SPF, 12mL	1	\$5.23	\$5.23
				SC5530-E	Sunscreen, 30 SPF, 12mL	1	\$5.23	\$5.23
Inheritance & Variation of Traits Non-Consumable Kit	Various Types of Fabric (optional for inquiry)	Locally Sourced	optional, sahred by the whole class					
				FB-5366-4X4	Fabric,100% Wool, 4x4" Piece	1	\$3.42	\$3.42
				FB-5362-4X4	Fabric, 100% Silk, 4x4" Piece	1	\$3.42	\$3.42
				FB-5363-4X4	Fabric,100% Cotton, 4x4" Piece	1	\$3.42	\$3.42
				FB-5367-4X4	Fabric,100% Nylon, 4x4" Piece	1	\$3.42	\$3.42
					Labor and Packaging	1	\$38.81	\$38.81
				OSE-B-3-CON	Consumable Kit Price			\$125.41
Inheritance & Variation of Traits Non-Consumable Kit	Game Board	Permanent Item	7	Teacher Print?		0	\$0.00	\$0.00
	Dice	Permanent Item	28	DC-5006-P	Die, 6-sided	28	\$0.13	\$3.73
	Pawn	Permanent Item	35	CT-5227-GP	Game Pawn, set of 24	2	\$2.50	\$5.00
	Set of checkpoint cards (for round 1 and 2 of game)	Permanent Item	7 sets	Teacher Print?		0	\$0.00	\$0.00
	Red chips	Permanent Item	105		Poker Chips, Red	105	\$0.15	\$15.75
	Set of Cellular Chance cards (for round 2 of game)	Permanent Item	7 sets	Teacher Print?		0	\$0.00	\$0.00
	Blue chips	Permanent Item	70		Poker Chips, Blue	70	\$0.15	\$10.50
	Stickers for Red chips	Permanent Item	105		Cancer Cell, Red Sticker, 108 per Sheet	1	\$3.58	\$3.58
	Stickers for Blue chips	Permanent Item	70		Healthy Cell, Blue Sticker, 108 per sheet	1	\$3.58	\$3.58
	6" pipe cleaners, green	Permanent Item	112	PC-5101-100PK	Pipe Cleaner, Green, 12",100pk	1	\$2.87	\$2.87
	6" pipe cleaners, red	Permanent Item	112	PC-5123-100PK	Pipe Cleaners, Red, 100pk	1	\$2.87	\$2.87
	Pony beads color 1	Permanent Item	70	PB5212	Bead, Pony, Green, 6x9mm	70	\$0.02	\$1.17
	Pony beads color 2	Permanent Item	70	PB5213	Bead, Pony, Yellow, 6x9mm	70	\$0.02	\$1.17
	UV sensitive yeast kit WITHOUT yeast	Permanent Item	1 for the section kit ONLY		UV sensitive yeast kit WITHOUT yeast	1	\$45.21	\$45.21
	UV Light Box (optional)	Locally Sourced	optional, sahred by the whole class		Ultraviolet Light Bar	1	\$9.52	\$9.52
	Incubator (optional)	Locally Sourced	optional, sahred by the whole class	Teacher supplied				
	Test Tube Rack	Locally Sourced	1	TT-5000-R-BULK	Test Tube Rack, 12 Holes, 25mm	1	\$3.32	\$3.32
	Timer	Locally Sourced	1	SW-5000-P-BULK	Stopwatch, Digital	1	\$0.00	\$0.00
				Labor and Packaging	1	\$43.74	\$43.74	
			OSE-B-3-NON	Non-Consumable Kit Price			\$152.00	

Biology 4

Items Requested		QTY	APS Part Number	Item Description	Kit QTY	Unit Price	Ext. Price
Laminated feather cards	Permanent	7 sets	Teacher to print		0	\$0.00	\$0.00
Pony Beads color 1	Permanent	1,650 beads (350 of each color)	PB-5213-1000PK	Bead, Pony, Yellow, 1000pk	1	\$7.08	\$7.08
Pony Beads color 2		350	PB-5211-500PK	Bead, Pony, Blue, 6x9mm 500pk	1	\$6.17	\$6.17
Pony Beads color 3		350	PB-5215-500PK	Bead, Pony, Black, 500pk	1	\$6.17	\$6.17
Pony Beads color 4		350	PB-5220-500PK	Bead, Pony, White, 6x9mm 500pk	1	\$6.17	\$6.17
Natural Selection & Evolution of	1 liter plastic bottles - must have	Permanent	PB-5225-500PK	Bead, Pony, Red, 6x9mm 500pk	1	\$6.17	\$6.17
Populations Non-Consumable Kit	Chart paper	Locally Sourced	BO-5010-1L	Bottle, 1L, Clear	7	\$1.18	\$8.28
	Markers	Locally Sourced	Teacher supplied		0		
	Sticky notes	Locally Sourced	Teacher supplied		0		
	Dice - re-use from B.3	Received in a previous kit	In previous kit		0		
				Labor and Packaging	1	\$25.54	\$25.54
			OSE-B-4-NON	Non-Consumable Kit Price			\$65.57

No consumable Kit for for B4