

The Global Uplift Project

Science Lab in a Box (SLaB)

Quotable Bill of Materials (QBM)

	Quantity	Item Description	Quoted price	Total Price CFCA	Price in USD
Safety Equipment	10	Safety glasses	12000	120000	
	10	Nitrile safety gloves	25000	250000	
	10	Chemical safety aprons	40000	400000	
		Eye wash bottles			
		Fire blanket			
	1	First aid kit	180000	180000	
General Lab Equipment	5	Ring stand base with 70 cm vertical rod	50000	250000	
		20 cm ring stand extension rods			
		Ring stand clamp			
		4" C clamp			
		200 gram electronic balance +/- 0.01 g accuracy			
		Bunsen Burner (liquid propane or natural gas)			
		Propane tank 20 L			
		Propane tank regulator			
		Electric hot plate (alternative to Bunsen burners and gas)			
		Rulers (30 cm)			
		Protractors			
		Scientific calculators			
	Wooden meter stick (100 cm rule)				
	5 meter measuring tape				
	15	Alcohol thermometers (- 20 deg C to 120 deg C)	12000	180000	
	10	Glass stir rods	5000	50000	
	10	25 ml Borosilicate beaker	4000	40000	
	20	100 ml Borosilicate beaker	6000	240000	
	20	250 ml Borosilicate beaker	8000	320000	

		600 ml Borosilicate beaker		
		1000 ml Borosilicate beaker		
		125 ml Borosilicate Erlenmeyer flask		
		250 ml Borosilicate Erlenmeyer flask		
	10	10 ml Borosilicate Graduated cylinder	5000	50000
	20	25 ml Borosilicate Graduated cylinder	8000	160000
	20	100 ml Borosilicate Graduated cylinder	10000	200000
	10	250 ml Borosilicate Graduated cylinder	20000	200000
	30	70 mm Polyethylene Utility Funnel	7000	180000
	20	108 mm Polyethylene Utility Funnel	8000	240000
		20 ml, 16 mm x 150 mm Borosilicate test tube		
	3	55 ml, 25 mm x 150 mm Borosilicate test tube	20000	60000
	20	Evaporating dish	10000	200000
		Wash Bottle		
		Serological pipettes		
		Serological pipettes filler		
		Transfer Pipettes (box of plastic ones)		
	50	Micro spatula	3000	150000
	4	pH test strips 1-14 5 meter roll	40000	160000
	10	Mortar and Pestle	15000	150000
	10	Chromatography paper	10000	100000
Biology	5	Compound light microscope 400x	35000	175000
	3	Microscope glass slides (1 pkg = 72 slides)	15000	45000
		Microscope slide glass cover slips (1 pkg = 200 slips)		
		Prepared Onion root tip - cell cycle microscope slides		
	2	Bromthymol blue stain 500 ml	20000	40000
		Iodine stain 500 ml		
		Isopropyl Alcohol 99% 4 L		
		NaCl salt - 250 g		
	1	Classroom dissection kit (1 sorting tray, 500 dissecting pins,	300000	300000
		Dissection pans	20000	
		Owl pellets		
	10	50 mm x 15 mm Petri dish (1 pkg = 20 dishes)	12000	120000
	10	90 mm x 15 mm Petri dish (1 pkg = 20 dishes)	20000	200000

		Inoculating loop		
		Filter cloth (1 pkg = 4 sq yds)		
		Plankton net		
		Modeling clay		
	1	Wall Chart - Digestive system (i.e., Anatomical Poster Set)	30000	30000
	1	Wall Chart - Ear & Eye	30000	30000
	1	Wall Chart - Bones	30000	30000
	1	Wall Chart - Brains	30000	30000
	1	Wall Chart - Heart	30000	30000
	1	Wall Chart - Circulatory system	30000	30000
	1	Wall Chart - Reproductive system	30000	30000
	1	Wall Chart - Periodic table	80000	80000
Chemistry		Copper density rods		
	3	Aluminum density rods	18000	54000
		Zinc density rods		
	2	Sodium Carbonate 500 g	30000	60000
	2	Calcium Chloride 500 g	40000	80000
	1	Filter Paper 12.5 cm	25000	25000
	5	HCl solution 3M, 500ml	25000	125000
	4	NaOH solution 3M, 500 ml	25000	100000
	2	Phenolphthalein indicator solution	30000	60000
	1	Magnesium Ribbon 25 g	15000	15000
	2	Ammonium Chloride 1M 500 ml	20000	40000
		Water quality testing kit		
		Metal Crucibles		
		Propane torch		
		Propane tanks		
		conductivity meter		
		Ammonium Chloride 1M 500 ml		
		Methanol 95% 4L		
	2	Ethanol 95% 4L	25000	50000
	2	Barium nitrate	35000	70000
	2	Barium chloride 500ml	35000	70000
	1	Bromine water	80000	80000

	4	Sulfuric acid 500ml	45000	180000
	4	Nitric acid 500ml	55000	220000
		Hydrochloric acid 500ml		
	2	Ethanoic acid 500ml	70000	140000
		Maleic acid 500ml		
	10	Rubber stoppers for test tubes & flasks	2500	25000
	2	Calorimeter	45000	90000
		Molecular model kit		
		Iron filings		
Physics		AC DC 0-24V Power Supply		
		Multimeters		
		Circuit breadboards		
		50 Ohm resistors (1 pkg = 50 resistors)		
		100 Ohm resistors (1 pkg = 50 resistors)		
		500 Ohm resistors (1 pkg = 50 resistors)		
		1k Ohm resistors (1 pkg = 50 resistors)		
		2.5k Ohm resistors (1 pkg = 50 resistors)		
		10k Ohm resistors (1 pkg = 50 resistors)		
		300 microfarrad capacitors (1 pkg = 15 capacitors)		
		750 microfarrad capacitors (1 pkg = 15 capacitors)		
	10	Plane mirrors (10 cm x 10 cm)	5000	50000
	10	Convex / concave mirrors (75mm diameter, 200mm focal length)	5000	50000
		100 lines/mm diffraction grating		
		300 lines/mm diffraction grating		
		600 lines/mm diffraction grating		
		1000 lines/mm diffraction grating		
		Diode laser - red, 5mWatts		
		Diode laser - blue, 5mWatts		
		Diode laser - green, 5mWatts		
		neodimium magnets (cylindrical 2cm diameter, 2cm height)		
	10	Stop watch	15000	150000
	1	Nylon string 100 meters	15000	15000
		Ideal spring sets (spring constants 2.5, 5, 10, 15, and 25 N/m)		
20g, 50g, 100g		Mass set (10g, 4x 20g, 2x 50g, 4x 100g, 200g, 500g, 1kg)	500000	500000

		Projectile launcher, spring loaded with protractor	
		Force table	
		Pulley with clamp	
		Digital force sensor	
		Digital motion sensor	
		Dynamics carts	
	3	Electroscope	70000

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