

<h1 style="margin: 0;">The Global Uplift Project</h1> <h2 style="margin: 0; color: #0070C0;">Science Lab in a Box (SLaB)</h2> <h3 style="margin: 0;">Quotable Bill of Materials (QBM)</h3> <h4 style="margin: 0;">Namiryango High School</h4>
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	Quantity	Item Description
<b>Safety Equipment</b>	2	Safety glasses
	2	Nitrile safety gloves
		laboratory coats
		Eye wash bottles
		Fire blanket
		First aid kit
<b>General Lab Equipment</b>	10	Ring stand base with 70 cm vertical rod
		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
	20	Wooden meter stick (100 cm rule)
		5 meter measuring tape
	40	Alcohol thermometers (- 20 deg C to 120 deg C)
		Glass stir rods
		25 ml Borosilicate beaker
		100 ml Borosilicate beaker
	36	250 ml glass beaker
	60	250 ml plastic beaker
		1000 ml Borosilicate beaker
		125 ml Borosilicate Erlenmeyer flask
	30	250 ml Borosilicate Erlenmeyer flask
		10 ml Borosilicate Graduated cylinder
		25 ml Borosilicate Graduated cylinder

30 50 ml plastic cylinder  
 24 burette with clip  
 250 ml Borosilicate Graduated cylinder  
 30 70 mm Polyethylene Utility Funnel  
 108 mm Polyethylene Utility Funnel  
 2 20 ml, 16 mm x 150 mm Borosilicate test tube  
 2 55 ml, 25 mm x 150 mm Borosilicate test tube  
 Evaporating dish  
 20 Wash Bottle  
 25 Pipettes  
 Serological pipettes filler  
 50 Droppers  
 50 Spatula  
 pH test strips 1-14 5 meter roll  
 Mortar and Pestle  
 Chromatography paper

**Biology**

1 Student microscope  
 1 Microscope glass slides (1 pkg = 72 slides)  
 1 Microscope slide glass cover slips (1 pkg = 200 slips)  
 Prepared Onion root tip - cell cycle microscope slides  
 Bromthymol blue stain 500 ml  
 1 Iodine stain  
 Isopropyl Alcohol 99% 4 L  
 NaCl 500g  
 20 soft boards

Owl pellets  
 50 mm x 15 mm Petri dish (1 pkg = 20 dishes)  
 90 mm x 15 mm Petri dish (1 pkg = 20 dishes)  
 Inoculating loop  
 Filter cloth (1 pkg = 4 sq yrds)  
 Plankton net  
 Modeling clay  
[Wall Chart - Digestive system \(i.e., Anatomical Poster Set](#)  
 Wall Chart - Ear & Eye  
 Wall Chart - Bones  
 Wall Chart - Brains  
 Wall Chart - Heart  
 Wall Chart - Circulatory system  
 Wall Chart - Reproductive system  
 1 Wall Chart - Periodic table

## Chemistry

	Copper density rods
	Aluminum density rods
	Zinc density rods
1	Sodium Carbonate 500g
	Calcium Chloride 500 g
2	sodium thio sulphate penta
2	Filter Paper 12.5 cm
	HCl solution Alitre
1	Sodium hydroxide
1	Phenolphthalein indicator 25g
2	Magnesium Ribbon 25 g
	Ammonium Chloride 500g
	Water quality testing kit
	Metal Crucibles
	Propane torch
	Propane tanks
	conductivity meter
	Ammonium Carbonate 500g
	Methanol 95%
1	Ethanol 95%
1	Barium nitrate
	Bromine water
1	Sulfuric acid 2.5 litres
1	Nitric acid a 2.5 litres
1	Hydrochloric acid 2.5 litres
	Ethanoic acid 2.5 litres
1	Maleic acid 500g
	Rubber stoppers for test tubes
	Calorimeter
	Molecular model kit
1	potassium permangate 500g

## Physics

	AC DC 0-24V Power Supply
	Multimeters
	Single cell holders
	Circuit breadboards
50	1 Ohm resistors
7	Rheostats 20 ohm
	Rheostats 50 Ohm
50	3 Ohm resistors
50	5 Ohm resistors
	10 Ohm resistors
30	Voltmeter

750 microfarad capacitors (1 pkg = 15 capacitors)  
Plane mirrors  
60 convex lenses f.10 CM  
concave lense f. 10cm  
100 lines/mm diffraction grating  
measuring cylinder 10ml  
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 heigh  
40 Stop watch  
Nylon string 100 meters  
Ideal spring sets (spring constants 2.5N  
20 Mass set 100g  
25 Mass set 50g  
Projectile launcher, spring loaded with protractor  
Force table  
Pulley with clamp  
Digital force sensor  
Digital motion sensor  
Dynamics carts  
Electroscope