

<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> <h3 style="margin: 0;">Muyenga High School</h3>
--

	Quantity	Item Description
<b>Safety Equipment</b>	2	Safety glasses
	1	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
	1	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
	50	Alcohol thermometers (- 20 deg C to 120 deg C)
	30	Glass stir rods
		25 ml Borosilicate beaker
		100 ml Borosilicate beaker
	50	250 ml plastic beaker
		600 ml Borosilicate 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
	50	50 ml plastic cylinder

- 20 burette with clip
- 250 ml Borosilicate Graduated cylinder
- 30 70 mm Polyethylene Utility Funnel
- 108 mm Polyethylene Utility Funnel
- 1 20 ml, 16 mm x 150 mm Borosilicate test tube
- 1 55 ml, 25 mm x 150 mm Borosilicate test tube
- Evaporating dish
- 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 Compound light microscope 400x
- 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 yds)
- 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

**Chemistry**

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

**Physics**

	AC DC 0-24V Power Supply
	Multimeters
40	Single cell holders
	Circuit breadboards
	1 Ohm resistors
12	Rheostats 20 ohm
18	Rheostats 50 Ohm
	3 Ohm resistors
	5 Ohm resistors
	10 Ohm resistors
20	ammeters

750 microfarrad capacitors (1 pkg = 15 capacitors)  
50 Plane mirrors  
20 convex mirrors 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  
50 Stop watch  
Nylon string 100 meters  
20 Ideal spring sets (spring constants 2.5N  
20 Mass set 100g  
20 Mass set 50g  
Projectile launcher, spring loaded with protractor  
Force table  
Pulley with clamp  
Digital force sensor  
Digital motion sensor  
Dynamics carts  
Electroscope