

<b>The Global Uplift Project</b>
<b>Science Lab in a Box (SLaB)</b>
<b>Quotable Bill of Materials (QBM)</b>
<b>Lubugumu Jamia High School</b>

	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
		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
	60	Alcohol thermometers
		Glass stir rods
		25 ml Borosilicate beaker
		100 ml Borosilicate beaker
	40	250 ml glass 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
	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
- 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
- 24 Spatula
- pH test strips 1-14 5 meter roll
- Mortar and Pestle
- Chromatography paper

**Biology**

- 2 Student microscope
- 1 Microscope glass slides
- 1 Microscope slide glass cover 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
	Aluminum density rods
	Zinc density rods
1	Sodium Carbonate 500g
	Calcium Chloride 500 g
2	sodium thio sulphate penta
2	Filter Paper(whatman)
	HCl solution Alitre
4	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%
2	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
1	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
	Single cell holders
	Circuit breadboards
25	1 Ohm resistors
	Rheostats 20 ohm
10	Rheostats 50 Ohm
25	3 Ohm resistors
25	5 Ohm resistors
	10 Ohm resistors

20 Ammeters

750 microfarrad capacitors (1 pkg = 15 capacitors)

25 Plane mirrors

30 convex lenses f.10 CM

40 convex lenses f.15 cm

100 lines/mm diffraction grating

30 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

60 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