

The Global Uplift Project
Science Lab in a Box (SLaB)
Quotable Bill of Materials (QBM)
Lugoba High School

	Quantity	Item Description
Safety Equipment		Safety glasses
	2	Nitrile safety gloves
	2	laboratory coats
		Eye wash bottles
		Fire blanket
		First aid kit
General Lab Equipment	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
	60	Alcohol thermometers (- 20 deg C to 120 deg C)
		Glass stir rods
		25 ml Borosilicate beaker
		100 ml Borosilicate beaker
	50	250 ml glass beaker
		600 ml Borosilicate beaker
	1000 ml Borosilicate beaker	
	125 ml Borosilicate Erlenmeyer flask	
48	250 ml Borosilicate Erlenmeyer flask	
	10 ml Borosilicate Graduated cylinder	
	25 ml Borosilicate Graduated cylinder	
30	50 ml plastic cylinder	

- 48 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
- 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

- 2 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 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 12.5 cm
	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%
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
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
50	1 Ohm resistors
	Rheostats 20 ohm
	Rheostats 50 Ohm
50	3 Ohm resistors
50	5 Ohm resistors
	10 Ohm resistors

- 25 Ammeters
- 750 microfarrad 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
- 60 Stop watch
- Nylon string 100 meters
- Ideal spring sets (spring constants 2.5N
- 15 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