

Standard List of Science Laboratory Equipment, Glassware & Chemicals for Primary School/Community School

Sl. #	Items	Qty.
1	Acid (conc. HCl)	500ml x 2
2	Alkali (NaOH)	500g
3	Aluminium foil paper - 100g	1 roll
4	Ammonium hydroxide solution	500 ml
5	Bar magnet - 4", Alinco, with keepers. Made of cobalt steel, in pairs, half red and half blue (for N & S) spray painted, very strong	12 nos.
6	Bathroom scale with height stand attachable with bathroom scale, metal	2 Nos.
7	Beakers (graduated, 150ml)	20 nos.
8	Beakers (graduated, 250ml)	20 nos.
9	Beaker (500 ml)	10 nos.
10	Beam balance with weight box: Balance physical in double door case & stone agate, brass beam, S.S. pan	2 Nos.
11	Copper connecting wire with insulation (single wire), DCC	50m
12	Conical flask (100ml)	12 nos.
13	Cork (16mm diameter at the top - wooden)	4 doz
14	Cork (30mm diameter at the top - wooden)	4 doz
15	Cork - rubber in assorted sizes of 16mm, 18mm, 28mm & 30mm diameter at the top (1 dz each)	4 doz
16	Cork borer (standard, brass, heavy duty, 12 pcs)	2 sets
17	Copper sulphate	500 gm
18	Distillation apparatus with Graham condenser, interchangeable joints and stopper, 500ml.	2 sets
19	Drinking straw (plastic)	2 dz
20	Filter paper (medium retention and flow, 12.5 cm diameter)	4 pkts
21	Forceps (blunt end, steel)	15 nos.
22	Forceps (sharp end, steel)	15 nos.
23	Funnel (6.5 cm diameter)	15 nos.
24	Glass rods (6mm)	1 kg
25	Glass tubes (8mm)	2 Kg
26	Hand lens (75mm, metal handle)	20 nos.
27	Horseshoe magnet with keepers, 4". Made of steel, (for N & S) spray painted, with keeper.	6 Nos.
28	Iodine solution	500ml.
29	Iodine crystal	100gm x 5
30	Iron filings	500g
31	Litmus paper (red)	4 pkts.
32	Litmus paper (blue)	4 pkts.
33	Litmus solution - red	100ml
34	Litmus solution - blue	100ml

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35	Magnetic compass (fine needle, 1" dia, Alnico: both side glass)	12 nos.
36	Measuring cylinder (100ml)	15 nos.
37	Measuring cylinder (250ml)	15 nos.
38	Meter rule (SS, 100cm)	12 nos.
39	Microscope (compound - Olympus, 10x, 15x and 20x - eye pc, objt. To total magnification 10x - 675x in cabinet with lock & key, lens diaphragm, dust cover and duster and silica gel)	4 nos.
40	Microscope slides	4 pkts
41	Microscope slides cover slips	2 pkts
42	Microscope permanent slides:	2 each
	Plant cell	
	Animal cell	
	Blood cell (3 cell types- RBC, WBC & Plateletes)	
43	Modelling clay (wrapped in plastic cover)	6 pkts
44	Motor & pestle (unglazed inside and glazed outside, 10 cm)	6 nos.
45	Pendulum bobs (brass, 1" diameter)	6 nos.
46	pH paper (with numerical scale packed in a plastic container)	4 pkts
47	Plane mirror (6"x3", strip with "L" shaped wooden support)	12 nos.
48	Plastic bucket (15 litre capacity, heavy duty)	4 nos.
49	Plastic tray (18"x12"x6")	8 nos
50	Prisms (50mm, equilateral, Borosil -silicate, crown glass)	6 nos.
51	Pulley (single with metal hook)	6 nos.
52	Pulley double (with smaller pulley at the inner side and bigger pulley at the exterior arranged vertically)	2 sets
53	Retort stand with clamp and boss head, complete with retort ring, heavy base.	6 nos.
54	Rubber tubing (8mm diameter, soft)	20m
55	Slotted Weights with hanger, C.P. Brass. Made of machined brass, finely adjustable and marked. Provided with 4 mm slot to fit hanger. Arranged on a metal rack with handle:	
	a) 5 gm x 5 pcs	5 pcs
	b) 10 gm x 5 pcs	5 pcs
	c) 20gm x 5 pcs	5 pcs
	d) 100gm x 5 pcs	5 pcs
56	Scissors (steel) - dissecting: blunt	8 nos
	sharp	8 nos
57	Screw driver set with tester with 6 pcs of different functions in plastic container (Taparia)	1 set
58	Sealing wax (for sealing the specimen jar)	1 pkt.
59	Sieve (30cm x 20cm)	6 nos.
60	Soil testing kit (4 parameters, packed in a plastic carrier box)	2 sets
61	Specimen jar with lids (500 ml)	6 nos.

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62	Spirit	10 litres
63	Spirit lamp (brass, 6/50)	12 nos.
64	Spring (spare spring for balance spring)	12 nos.
65	Spring balance 1000 gms, brass, flat form with zero-adjustable device having anodized metal scale. Suspension loop at top and load hook at the lower head. Individually packed in a beautiful cardboard box.	12 nos.
66	Stop clocks (metal body without 0 error)	6 nos.
67	Syringe (10 ml, plastic without needle)	6 nos.
68	Test tube (125 mm x15 mm)	100 nos
69	Test tube (boiling tube) (150 mm x 28 mm)	200 nos
70	Test tube holder (brass)	24 nos.
71	Test tube rack (plastic) with 4 holes of 1.5 cm diameter & 2 holes of 3 cm diameter)	12 nos.
72	Thermometer (-10° -110°C, 30cm)	12 nos.
73	Thermometer (clinical)	6 nos.
74	Tong (6" steel)	12 nos.
75	Torch bulbs (3V)	15 nos.
76	Torch bulb holder	15 nos.
77	Tripod stand, superior/heavy 6" height, Iron black colour painted.	10 nos.
78	Twine thread (thick)	6 balls
79	Universal indicator solution (pH 4-11)	500 ml
80	Vinegar	2 bottles
81	Wash bottle (500 ml)	6 nos.
82	Watch glass (100 mm diameter)	8 nos.
83	Wheel and axle	2 sets
84	White cloth (cotton)	2 m
85	Wire gauze (asbestos centre, 6"x6")	1 dz
86	Charts and Models	
	Human:	
	• Teeth set (full set model)	1 no.
	• Digestive system (chart) (only with English label)	1 no.
	• Skeletal system (chart) (only with English label)	1 no.
	• Excretory system (chart) (only with English label)	1 no.
	• Circulatory system (chart) (only with English label)	1 no.
	• Respiratory system (chart) (only with English label)	1 no.
	• Reproductive system (male - chart) (only with English label)	1 no.
	• Reproductive system (female - chart) (only with English label)	1 no.
• Nervous system (chart) (only with English label)	1 no.	

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	<ul style="list-style-type: none"> Muscular system (chart) (only with English label) 	1 no.
87	Carpentary Tools (in metal box of 540x300x200mm): <i>For improvising teaching aids.</i>	
	1. Pliers (8") - stainless steel, heavy duty	1 no.
	2. File (small, triangular, 6")	4 no.
	3. Glass cutter	2 nos.
	4. Hammer (claw with metal handle)	2 no.
	5. Measuring tape (10m, Freeman)	1 no.
	6. Plane - heavy duty, big	1 no.
	7. Saw (plastic handle, 18")	1 no.
	8. Tin cutter	1 no.
	9. Hand drill with drill bit set upto 1/2" of 6 pcs	1 set.
10. Chisel made of carbon steel, 1/2", 3/4", 1", 2" of 4 pcs	1 set	
88	Steel shelves, 3' (breadth) x 3' (height), with acrylic glass lids sliding on top of each shelf, three shelves (14"+10"+6" - height), lockable, label slit, ash colour). <i>(For storage of equipment & chemical)</i>	3 each
89	Weather Station:	
	1. Wind vane	1 no.
	2. Rain gauge	1 no.
	3. Anemometer	1 no.
	4. Max-Min thermometer	1 no.
	5. Aneroid barometer	1 no.
90	Xylene <i>(For cleaning microscope lenses)</i>	500 ml