

NAGALAND BOARD OF SCHOOL EDUCATION, KOHIMA

A. LIST OF MINIMUM (PRE-REQUISITE) EQUIPMENTS AND MATERIALS REQUIRED FOR PRACTICALS/ACTIVITIES IN SCIENCE.

Sl.no.	Equipments/Apparatus	Quantity/number require for 20 students
1.	Beaker (100ml, 250ml)	10 each
2.	Glass rod	25 nos.
3.	Measuring Cylinder (100ml)	5 nos.
4.	Physical Balance	5 nos.
5.	Chemical Balance	2 nos.
6.	Test-tubes	40 nos.
7.	Test-tube stand/holder	25 nos.
8.	Funnels	25 nos.
9.	Glass dishes	25 nos.
10.	Hand lens/Magnifying glass	15 nos.
11.	Magnet	20 nos.
12.	China dish	20 nos.
13.	Bunsen burner/spirit lamp	25 nos.
14.	Spring balance	5 nos.
15.	Overflow can	5 nos.
16.	Clamp stand/Iron stand	10 nos.
17.	Vernier Callipers	10 nos.
18.	Metre rod and half meter rod	10 nos.
19.	Stop watch	10 nos.
20.	Round bottom flask	5 nos.
21.	Celsius thermometer	25 nos.
22.	Glass tubing bent at right angle	10 nos.
23.	Wire gauge	20 nos.
24.	Tripod stand	20 nos.
25.	Calorimeter with wooden jacket and lid	5 nos.
26.	Fine cotton thread	3 roll
27.	Glass stopper/cork	30 nos.
28.	Scale pan	5 nos.
29.	Weight box	5 nos.
30.	Small light bulb	10 nos.
31.	Simple pendulum (a metallic bob with hook/ cylindrical rod)	5 nos.
32.	Wooden block with hook	10 nos.
33.	Horizontal plane with glass (or mica, ply etc)	25 nos.
34.	Frictional pulley	5 nos.
35.	Simple Microscope	10 nos.
36.	Compound Microscope	2 nos.
37.	Plane glass slides	40 nos.
38.	Cover slips	40 nos.
39.	Watch glass	30 nos.
40.	Forceps	25 nos.
41.	Needles	20 nos.
42.	Brush	25 nos.
43.	Dropper	20 nos.
44.	Blotting paper	2 pkts.
45.	Filter paper	2 pkts.

46.	Woulf bottle	10 nos.
47.	Thistle funnel	8 nos.
48.	Delivery tube	5 nos.
49.	Empty jars	10 nos.
50.	Dissecting tray	25 nos.
51.	Tooth pick	5 pkts
52.	Marble pieces	20 nos.
53.	Jar lids	10 nos.
54.	Blue litmus paper	8 pkts
55.	Scissors	15 nos.
56.	Petridishes	25 nos.
57.	Pipette	10 nos.
58.	Microslides	10 nos.
59.	P ^H meter	2 nos.
60.	Plastic tray	20 nos.
61.	Conical flask- 50 ml, 100 ml, 250 ml etc.	20 nos. each
62.	Flat bottom flask (50ml, 100ml)	10 nos.
63.	Measuring flask (50ml, 100ml)	10 nos.
64.	Rectangular metallic block	10 nos.
65.	Screw gauge	20 nos.
66.	Frictionless pulley	5 nos.
67.	Roller	5 nos.
68.	Thread/strings	5 rolls
69.	Split cork	15 nos.
70.	Spiral spring	5 nos.
71.	Hanger with slotted weights	8 nos.
72.	Tuning forks of different frequencies	15 nos.
73.	Rubber pad	8 nos.
74.	Hanger	8 nos.
75.	Stopper bottles	15 nos.
76.	Polythene bottle	20 nos.
77.	Pair of tongs	30 nos.
78.	Funnel stand	20 nos.
79.	Test tube brush	8 nos.
80.	Bottle brush	5 nos.
81.	Glass rod with rubber tubing	8 nos.
82.	Voltmeter	5 nos.
83.	Connecting wires of different gauges	10 nos.
84.	Rubber tube	10 nos.
85.	Capillary tube	2 pkts.
86.	Chromatography paper	2 pkts.
87.	Suction pump (filtration)	8 nos.
88.	Kipp's apparatus (H ₂ S Preparation)	1 no.
89.	Wooden block/tables	25 nos.
90.	Metallic conductor	5 nos.
91.	Ammeter	5 nos.
92.	Rheostat	5 nos.
93.	Battery and key	15 nos.
94.	Leclanche cell	5 nos.
95.	Slide wire bridge/meter bridge	5 nos.

96.	Resistance box	5 nos.
97.	Resistance wire	10 nos.
98.	Set square	10 nos.
99.	Two way keys	10 nos.
100.	One-way key	10 nos.
101.	Plug key	8 nos.
102.	Accumulator	10 nos.
103.	Carbon resistors	10 nos.
104.	Index needle	8 nos.
105.	Electromagnets	5 nos.
106.	Multimeter	5 nos.
107.	Battery eliminator	5 nos.
108.	Cartridge fuse	5 nos.
109.	Fuse wire	8 nos.
110.	Switches, sockets	20 nos.
111.	Main switch	5 nos.
112.	Main electric board	5 nos.
113.	Tester, insulating tape	5 nos.
114.	Optical bench with three and four uprights	20 nos.
115.	Concave mirrors with holder	25 nos.
116.	Needles	20 nos.
117.	Convex lens, with holder	25 nos.
118.	Cardboard screen	15 nos.
119.	Convex mirrors with holder	25 nos.
120.	Concave lens with holder	25 nos.
121.	Optical needles	10 nos.
122.	Drawing board, pins	35 nos.
123.	Plane mirrors, plano-convex lens	10 nos.
124.	3 volt battery and voltmeter	15 nos.
125.	30 volt battery and voltmeter	15 nos.
126.	Light dependent resistor	5 nos.
127.	Capacitor	5 nos.
128.	Transistor	5 nos.
129.	Resistor	5 nos.
130.	Converging and diverging lenses of different focal lengths	10 nos.