

**SENTHIL COLLEGE OF EDUCATION**  
**PHYSICAL SCIENCE LABORATORY**

**LIST OF ITEMS IN PHYSICS**

<b>ELECTRONICS</b>		
<b>SLNO.</b>	<b>ITEMS</b>	<b>QUANTITY</b>
1	Transistor Characteristics study Kit	1
2	P-N Junction Diode Kit	1
3	Zener Diode Kit	1
4	OP- amplifier Kit	1
5	Battery Eliminator (2- 10 V)	1
6	Rheostat (20 $\Omega$ )	1
7	Rheostat (50 $\Omega$ )	1
8	Rheostat (100 $\Omega$ )	1
9	Voltmeter (3V)	1
10	Ammeter (5 Amp)	1
11	Galvanometer	2
12	Meter Bridge	1
13	High Resistance	1
14	Plug Key	1
15	Resistance Box (0.1 $\Omega$ to 10 $\Omega$ )	1
16	DPDT Switch	1
17	Commutator	1
18	Tangent Galvanometer	1
19	Dry Cell	1
20	Lechlanche Cell setup	1
21	Daniel Cell set up	1
22	Copper Sulphate salt – 500gm	1
23	Ammonium Chloride – 500 gm	1
24	Zinc Sulphate – 500 gm	1
<b>LIGHT</b>		
25	Spectrometer	1
26	Sodium Vapour Lamp with power Source	1
27	Equilateral Prism (5 cm side)	1
28	Reading Lens	1
29	Light Source	1
30	Lens Holder	1
31	White Screen	2
32	Plane Mirror	2

33	Glass slab	1
34	Convex lens (15 cm)	4
35	Concave Mirror	3
36	Convex mirror	1
37	Plano convex lens	1
<b>MAGNETISM</b>		
38	Bar Magnets (5 cm)	2 SETS
39	Bar Magnet (2.2 cm)	3 SETS
40	Mapping Compass	5
41	Pins	1 BOX
42	Thermocole	5
<b>SOUND EXPERIMENT</b>		
43	Sonometer Box	2
44	Turning fork set (8 sets)	1
45	Rubber Hammer	1
46	Weight Hanger – 2KG	1
47	.Source AC	1
48	Knife Edge	2
49	Sonometer wire – Brass - 1.5m, - Steel - 1.5m	1
50	Bar Magnets with stand slotted weight (50x4)g	1
51	Resonance Column Apparatus	1
<b>MECHANICS</b>		
52	Searle's Apparatus	1
53	Traveling microscope	1
54	Vernier Calliper	2
55	Screw Gauge	1
56	Physical Balance	1
57	Weight Box	1
58	Simple Pendulum metal bob	7
59	Simple Pendulum Split cock	2
60	Simple Pendulum stand	2
61	Stand with Scale	2
62	Spring	2
63	Slotted weight (50gx 5)	2
64	Stop Clock	2
65	Manometer	1
66	Knife edge (Large)	1
67	Spring Balance – 250g	1
68	Spring Balance – 100g	1
69	Metre Scale	1
70	Boiling Test tube with wax	1
71	Thermometer	1

## LIST OF ITEMS IN CHEMISTRY

<b>CHEMISTRY</b>		
72	Glycerol anhydrous	500ml
73	Ortho Phosphoric Acid -	500ml
74	Yellow Ammonium Sulphide solution	500ml
75	Sodium metal	250g
76	Iodine Solution	500ml
77	Magnesium metal ribbon	25gm
78	Starch Soluble	500g
79	Sodium carbonate	500g
80	Sodium carbonate (anhydrous)	500g
81	Zinc Granular	500g
82	Potassium chloride	500g
83	Iron (III) Chloride (anhydrous)	500g
84	Lead nitrate	500g
85	Aluminium chloride (anhydrous)	250g
86	Potassium hydroxide	500g
87	Barium chloride	500g
88	Copper (II) Sulphate Pentahydrate	500g
89	Sodium hydroxide pellets	500g
90	Iron (III) Sulphate Heptahydrate crystal	500g
91	Ethanol	500ml
92	Phenolphthalein (pH 8.2 – 9.8)	50g
93	Methyl Orange (pH 3.1 – 4.4)	25g
94	Copper (Metal) Turning	500g
95	Phenolphthalein indicator (pH 8.2 – 10.0)	125ml
96	Nessler's Reagent	125ml
97	Iron Fillings	1kg
98	Phenolphthalein indicator( pH 8.2 – 10.0)	125ml
99	Copper Turnings	50gm
100	Sulphuric acid	500ml
101	Litmus papers	10
<b>GLASS WARES</b>		
102	Stand	11
103	Water Tiles	11
104	Pipette (10ml)	03
105	Pipette (20 ml)	07
106	Micro Pipette	04
107	Burette	10
108	Test Tube Holder	14
109	Conical flask (250ml)	09
110	Water Bottle	10
111	Beaker (500ml)	06
112	Test Tube brush	10