

As Per NCTE Norms 2014

Lab, Appratus Design According to

*Manual for the
Teacher Education Institutions and Teacher Educators*



National Council for Teacher Education

Sr No	Item Name	Cheap	Economic	Total
	Chemistry			
1	TEST TUBES (100 PCS IN A BOX)	1		1 box + 96 pices
2	TEST TUBE HOLDER	6		6
3	TEST TUBE BRUSH			6
4	TEST TUBE STAND		6	6
5	BEAKER			
	100ML	6		6
	250 ML	6		6
	500ML	X	X	6
6	MEASURING CYLINDER			
	10ML		6	6
7	PIPETTE			
	10ML	X	6	6
8	PIPETTE STAND VERTICAL	X		1
9	REAGENT BOTTLE NARROW MOUTH	24		24
10	CHINA DISH	6		6
11	WATCH GLASS	6		6
12	WIRE GAUGE	12		12
	UNIVERSAL INDICATOR			
13	PH PAPERS	X	11	11
14	PH SOLUTION	X		
15	COPPER TURNINGS	X	X	1
16	SODIUM METAL(IN PACKET)	X	X	1
	Chemicals and Metals	Any 2	Any 5	Any 8
17	AlCl ₃	2	X	2
18	BaCl ₂	X	X	1
19	Na ₂ CO ₃	X	X	1
20	NaHCO ₃	X	X	1
21	FeSO ₄	X	1	1

22	PbN03	X	X	1
23	CuSO4	X	X	2
24	NH4CI	X	1	1
	PHYSIC LAB			
25	SPRING BALANCE	1	1	2
26	PHYSICAL BALANCE & WEIGHT	X	X	1
27	AMMETER		1	1
28	GALVANOMETER	1		1
29	VOLTMETER	X	X	1
30	RHEOSTAT	1		
31	PLUG KEY	X	X	1
	LENS			
32	DOUBLE CONVEX	4		4
33	DOUBLE CONCAVE	4		4
34	CONCAVO - CONVEX	1	1	1
35	CONCAVE	4		4
36	CONVEX	4		4
37	PLANE	1		1
38	GLASS SLAB		1	1
39	PRISM	2		2
40	DRY CELL	X	X	1
41	LACKLENCE CELL	X	1	1
42	DANIEL CELL	X	1	1
43	TUNNING FORK	X	X	1
44	BAR MAGNET	2		2
45	HORSE SHOE MAGNET	1		1
46	COMPASS	1		1
47	VERNIER CALLIPER	1		1
	Biology			
48	DISSECTING MICROSCOPE	X	X	2
49	COMPUND MICROSCOPE	1 Low Quality	1	2
50	NEEDLES	12		12
51	BRUSH	7		7
52	GLASS SLIDE	2		2
53	COVER SLIP	20		20
54	HAND LENSE	1		1
55	FORCEPS	4		4
56	SCISSORS	5		5
	PHYSIOLOGICAL SYSTEM OF HUMAN BEINGS			
57	DIGESTIVE SYSTEM		1	1
58	RESPIRATORY SYSTEM	X	1	1
59	CIRCULATORY SYSTEM	X	1	1
60	EXCERATORY SYSTEM	X	1	1
61	PLANT CELL	X	1	1
62	ANIMAL CELL	1	1	1

63	CELL DIVISIONS	X	X	4
64	PARTS OF PLANT	X	1	1
65	STRUCTURE OF LEAF	X	1	1
66	PARTS OF FLOWER	X	1	1
67	MODIFICATION OF ROOT,STEM & LEAVES (13	X	X	2
68	BRAIN	1		1
69	HEART	X	1	1
70	EYE	1		1
71	EAR	X	X	1

Social Science Lab

S.NO	PARTICULARS	Cheap	Economic2	Total
(A)	APPRATUS			
1	Magnetic compass 5cm	1		1
2	Wall Thermometer MI07	1		1
3	Globe Laminated 12 cm dia(5")	1		1
4	SEASONS APPARATUS SET OF 4 GLOBES	X	X	1
5	Specimen Display			
6	Types of Rocks Display in card board box	1		1
7	Minerals set of 20 in cardboard box	1		1
(B)	GEOMORPHOLOGY MODEL	Any 3	Any 3	Any 7
1	Glaciars	1	1	1
(C)	LARGE GEOGRAPHY AND ASTRONOMY CHARTS	7	7	14
(D)	ENVIRONMENTAL SCIENCE CHARTS	7		7
(E)	ENVIRONMENTAL SCIENCE CHARTS	7	4	7

Mathematics Lab

Sr. no	Name	Cheap	Economic2	Total
1	Solids-cubes	1 Small		1
2	cuboids	2 Small		2
3	cylinders	1 Small		1
4	cones	1 Small		1
5	spheres	1 Small		1
6	hemispheres	1 Small		1
7	prisms	1 Small		1
8	pyramids	3 Small		3
9	Wooden Teacher Big Scale	1 Plastic		1
10	Wooden Teacher Big protractor	1 Plastic		1

11	Wooden Teacher Big compass	1 Plastic	1
12	pencil	1	1
13	eraser	1	1
14	Stencils of geometrical shapes	1	1

ET Lab

Sr No	Product	Economic	Total
1	Projector -Slide	X	1
2	Projector -OHP	1	1
3	Educationa CD Set of 8	5	5
a)	Teaching Method & Teaching Technique	1	1
b)	Educational Psychology	1	1
c)	Trust Area of Indian Education and Research		
d)	Teacher in Emerging Indian Society		
e)	Examination System in India		
f)	Children's Psychology and Education Part-1	0	1
g)	Children's Psychology and Education Part-2	0	1
h)	Projective Technique TAT & CAT	0	1
4	Tranparency (15-20 Slide in Each Set)		

70 Photo Set

Sr No	Name	Economic	Total
1	Great Scientist (Science and Math Lab)	10	10
2	Eminent Mathematicians (Science and Math)	3	3
3	Great Indian and Western Educationalist	19	19
4	Great Psychologist (Psychology Lab)	1	1

Music Lab

Sr. No	Music Lab	NCTE Norms	Total
1	Harmonium	1	X
2	Tabla	1	1
3	dholak/Naal	1	1
4	manjeera	1	1
5	Guitar	1	1

Source Centre(HPERC)+ Yoga Education

Sr No	Name of Item	Norms Qty	Total
1	Vally Ball	1	1
2	Foot Ball	1	1

3	Basket Ball		
4	Cricket Ball	1	1
5	Stumps	6	6
6	Bails	4	4
7	Wicket Keeping Gloves	1 Pair	X
8	Bat	2	2
9	Batting pad	1	X
10	Wicket Keeping Pad	0	X
11	Chess	2	2
12	Badminton Racket	4	4
13	vollyball Net	1	1
14	Badminton Net	1	1

Art and Craft Resource Center

Sr. No	Apparatus	Cheap	Economic	Total
1	Toy/Doll/ Puppetry Making Kit	1 Small Box		1 Box
2	Floating Candle Making Kit + Wax	X	1 Small Box	1 Box
3	Rangoli Kit	1 Small Box		1 Box
4	Dress Designing Kit	X	X	1 Box
5	Wood Working Tools	X	X	2 Pc
Common/ Shared Items in All Kits				
1	Scissor	2		2
2	Thread in Different Colors	X	X	2
3	Colored Pencils Set of 12	2 Pkt.		2 Pkt.
4	Colored Ribbon in Single Colors	1 Pcs.		1 Pcs.
5	Gum	2 Pcs.		2 Pcs.
6	Glitter/Sparkle set of 6	1 Set		1 Set
7	Straws	25 Pcs 1 Set.		25 Pcs 1 Set.
8	All pins	1 Box		1 Box
9	Drawing Pins Small	1 Box		1 Box
10	Ice Cream stick	1 Pkt.		1 Pkt.
11	Hard Board Sheet	X	1 Sheets	1 Sheets
12	Sharpner	2 Pcs.		2 Pcs.

13	Knife	3 Pcs.	3 Pcs.
14	Rubber	5 pcs	5 pcs
15	Painting Brush 0 no.	1 Pcs.	1 Pcs.
16	Painting Brush 1 no.	1 Pcs.	1 Pcs.
17	Painting Brush 2 no.	1 Pcs.	1 Pcs.
18	Painting Brush 3 no.	1 Pcs.	1 Pcs.
19	Painting Brush 4 no.	1 Pcs.	1 Pcs.
20	Painting Brush 5 no.	1 Pcs.	1 Pcs.
21	Painting Brush 6 no.	1 Pcs.	1 Pcs.
22	Soft pencil	3 Pcs.	3 Pcs.
23	Charcoal Color Dark Pencil	1 Pcs.	1 Pcs.
24	Hair Pin	10 Pcs.	10 Pcs.
25	Crayon Colors	1 Pkt.	1 Pkt.
26	Card board	X	1 Pc
27	Kite paper	3 Pcs.	3 Pcs.
28	Wall paper	3 Pcs.	3 Pcs.
29	Needle	1 Pkt.	1 Pkt.
30	Fevicol	1 Pc	1 Pc
31	Hammer	X	1pc
32	Chenni	X	1 pcs
33	Multi Color Chalk Box	1 Pkt.	1 Pkt.
34	Green moti	X	1 Small Box
35	Golden moti	X	1 Small Box
36	White Moti	X	1 Small Box
37	Drawing sheet	1 Pkt.	1 Pkt.
38	Match stics	1 Pc	1 Pc
39	Water colour	1 Set	1 Set
40	Gift paper	3 Pcs.	3 Pcs.
41	Yarn	1 Pkt.	1 Pkt.
42	Fibre	X	1 Pkt.

Column2	Column3	Column4	Column5	Column1

Column2	Column3	Column4	Column5	Column1

1 Set of Yoga	4	2
2 Yoga Chart	4	4
3 Yoga Educa	6	2
4 Aerobics Ec	2	1
	3800	1800