

Status of Laboratories (Other than Computer Lab)

PARAMETER

(I) STATUS OF LABS

1. PSYCHOLOGY LAB

2. MATHS LAB

3. PHYSICS LAB

4. CHEMISTRY LAB

5. BIOLAB

6. SOCIAL SCIENCE LAB

7. FINE ART

PSYCHOLOGY LABORATORY

As per the guidelines of the NCTE (National Council of Teacher Education), the Department of Education (KIRAS) has a well-equipped Psychology Laboratory. The laboratory is equipped with different apparatus/equipment/instruments for conducting different psychological experiments. Psychological tests/scales (Verbal, non-verbal and performance tests) are available in the laboratory to assess the creativity, personality, intelligence, aptitude, attitude, interest, etc. Pictures of eminent psychologists are also available in this lab.

OBJECTIVES OF PSYCHOLOGY LABORATORY

Psychology Lab is set up in the Department of Education to help students and research scholars achieve the following objectives successfully:

- *To impart practical experiences in psychological concepts
- *To familiarize with psychological equipment/instruments
- *To acquaint with standardized tests/scales based on relevant dimensions of performance (Achievement, Intelligence, Personality, Attitude, Aptitude, Interest, Motivation, etc.)
- *To perform psychological experiments
- *To train in various psychological assessment techniques
- *To develop experimental skills in Psychology
- *To provide training in administering, scoring and interpreting various psychological tests/scales
- *To identify individual differences among their students using various psychological tests/scales
- *To recognize psychological variables that influence the classroom environment and overall climate of an institution
- *To create a psychologically sound and conducive teaching-learning environment
- *To apply psychological tests/scales in research work
- *To provide personal, educational and vocational guidance to their students by administering various psychological tests/scales

PSYCHOLOGICAL EQUIPMENTS

1. Mirror Drawing Apparatus (Simple For Printed Star) with Manual
2. Tachistoscope (Fall Door Type) with cards
3. Memory Drum Apparatus- Hand Operated (Metallic 2 Speed)
4. Finger dexterity Board with Pins
5. Bhatia Performance test of Intelligence
6. Human Maze

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PSYCHOLOGICAL TESTS

S.No.	Type Of Test	Title Of the Test	Standardized By
1	Aptitude	Teaching Aptitude Test Battery(TATB)	Dr. R. P. Singh and Dr. S. N. Sharma
2	Attitude	Sodhi's Attitude Scale (SAS)	T.S.Sodhi
3	Adjustment	Teacher Adjustment Inventory (TAI)	S.K.Mangal
4	Anxiety	Sinha's Comprehensive Anxiety Scale	A.K.P.Singh and L.N.K.Sinha
5	Aspiration	Measurement Of Level Of Aspiration	Dr. Mahesh Bhargav and Lt. Professor M.A.Shah
6	Attitude	Teacher Attitude Inventory	S.P.Ahluwalia
7	Achievement	General Classroom Achievement Test	Dr. A.K. Singh and Dr(Mrs.) Sengupta
8	Creativity	Passi Test Of Creativity (Verbal & Non- Verbal)	Dr. B. K. Passi
9	Creativity	Non-Verbal Test Of Creative Thinking(TCF)	Baqer Mehadi
10	Habit	Study Habit Inventory	M. Mukhopadhyay
11	Intelligence	Bhatia 's Battery Of Performance Tests of Intelligence	C.M. Bhatia
12	Intelligence	Culture Fair Intelligence Test	Cattell & Cattell
13	Intelligence	Mental Health Ability, Grouping Exam	Dr Shyam Shwroop
14	Intelligence	Mental Health Battery(MHB)	Singh & Gupta

15	Guidance	Guidance Needs Inventory (GNI) (Higher Secondary Pupils)	J.S. Grewal And Meena Sharma.
16	Teaching	Teacher Freezing Scale	Haseen Taz
17	Motivation	Social Motive Scale	Singh and Bhargav
18	Interest	Multiphasic Interest Inventory(MII)	S.K.Bawa
19	Memory	Short Term Memory & Long Term Memory	Dr. B.B. Asthana
20	Mental Fatigue	Mental Fatigue Test MFT-B	Dr. Bhargava
21	Personality	Dimensional Personality Inventory	Dr. Bhargava
22	Personality	Rorschach Test	Herman Rorschach
23	Personality	Self-Concept Questionnaire (SCQ)	Dr. Raj Kumar Saraswat
24	Values	Study Of Values	Dr. R. K. Ojha & Dr. Mahesh Bhargav
25	Value	Value oriented scale	N.S Chauhan
26	Well-Being	General Well-Being Scale -	Ashok K. Kalia and Anita Deswal

Journal

- Indian Journal Of Psychology
- Psycho Lingua

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List Of Tests & Equipments Added in Year 2022-23

- 1) Culture Fair (Free) Intelligence Scale III (Age 14 years & above)
- By Cattell and Cattell
- 2) General Well-Being Scale
- Ashok K. Kalia and Anita Deswal
- 3) Guidance Needs Inventory (GNI) (Higher Secondary Pupils)
- J.S. Grewal And Meena Sharma.
- 4) Tachistoscope (Fall Door Type) with cards
- 5) Memory Drum Apparatus- Hand Operated (Metallic 2 Speed)

List Of Tests & Equipments Added in 2019

- 1) Culture Fair (Free) Intelligence Scale III (Age 14 years & above)
- Cattell and Cattell

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***** DETAILS OF TECHNICAL STAFF**

Lab Assistant – Ms. Himani Bhagat

Lab Attendant – Ms. Mamta

***** SIZE OF THE PSYCHOLOGY LABORATORY**

Type of Lab	Square Metres
Psychology Lab IVth Floor	78 sq metres

MATHEMATICS LABORATORY

A space equipped with models, charts, manipulatives, and digital tools to help trainee teachers explore mathematical concepts, enhance problem-solving skills, and develop innovative teaching methods.

Objectives of Mathematics Laboratories

- Enhance conceptual understanding through hands-on activities.
- Develop problem-solving and analytical skills.
- Train future teachers in innovative teaching methods using models and manipulatives.

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LIST OF MATHEMATICS EQUIPMENTS

S.NO.	LIST OF ARTICLES (EASY MATHS LAB KIT)
1	PLACE VALUE TEACHING KIT
2	NUMBER LINE
3	FRACTION BOX
4	PARTS OF CIRCLE
5	PARTS OF SQUARE
6	DECIMAL ABACUS
7	GEO/PIN BOARD
8	PEG BOARD
9	SQUARE BOX
10	CUBE BOX
11	BEAKER SET
12	GEO SOLID BOX
13	GEOMETRY BOX
14	ABACUS
15	ATTRIBUTE
16	WORKING PLATE FORM BOARD
17	VOLUME MODEL
18	FRACTION DISC
19	MEASURING CONTAINER
20	GEOBOARD

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LIST OF MATHEMATICS EQUIPMENTS

S.NO.	LIST OF ARTICLES MODELS
1	SYMBOLS OF SETS
2	SURFACE AREA (SOLID SHAPE)
3	AREA (RECTILINEAR FIGURED)
4	RIGHT TRIANGULAR PRISM
5	PROBABILITIES
6	PROPERTIES OF CIRCLE
7	PLANE FIGURES
8	ANGLE SUM PROPERTY OF TRIANGLE
9	CORRESPONDING ANGLES
10	RECTANGULAR GEOBOARD
11	CIRCULAR GEOBOARD
12	CUBE
13	SURFACE AREA OF CUBE
14	ANGLES MADE BY TRANSVTED
15	ABACUS
16	NUMBER OF TRIANGLES IN PENTAGONE AND HEXAGONE
17	PYTHAGORAS THEOREM
18	INDIAN PLACE VALUE SYSTEM
19	INTERNATIONAL PLACE VALUE SYSTEM
20	AREA OF TRAPEZIUM
21	AREA OF PARALLELOGRAM

LIST OF ARTICLE (PORTRAITS OF MATHEMATICIANS)

S.NO.	LIST OF ARTICLE (PORTRAITS OF MATHEMATICIANS)
1	ARYABHATTA
2	ARCHIMEDES
3	ALBERT EINSTEIN
4	S. RAMANUJAM
5	PYTHOGORAS

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LIST OF MATHEMATICS EQUIPMENTS

S.NO.	LIST OF ARTICLE - CHARTS
1	VOLUME OF RIGHT CIRCULAR CYLINDER
2	BRIEF SKETCH OF RAMANUJAM
3	JUST FOR FUN
4	ADDITION
5	SUBTRACTION
6	MULTIPLICATION
7	DIVISION
8	NUMBER CHART
9	GEOMETRY
10	FORMULAE
11	MEASURES
12	MONEY
13	PATTERNS
14	SHAPES
15	INVESTIGATIONS
16	ALGEBRA
17	DATA
18	FRACTIONS
19	NUMBER
20	TIME

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***** DETAILS OF TECHNICAL STAFF**

Lab Assistant – Ms. Kanchan Soni

Lab Attendant – Ms. Geetanjali

***** SIZE OF THE MATHEMATICS LABORATORY**

Type of Lab	Square Metres
Mathematics Lab	78 Square mtrrs

PHYSICS LABORATORY

Provides hands-on experience with experiments related to mechanics, optics, electricity, and magnetism, helping future educators understand and demonstrate physics principles effectively.

Objectives of Physics Laboratories

- Provide practical experience in fundamental physics concepts.
- Develop skills in conducting experiments and scientific inquiry.
- Train educators to demonstrate and explain physics principles effectively.

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LIST OF PHYSICS EQUIPMENTS

CONSUMABLE ITEMS

S.NO.	PARTICULARS
1	AMMONIUM CHLORIDE
2	COPPER SULPHATE
3	CONCAVE LENS
4	CONVEX LENS
5	CONCAVE MIRROR
6	CONVEX MIRROR
7	D.C.C. WIRE
8	DANIEL CELL
9	FUSE
10	GLASS SLAB
11	GLASS PRISM
12	LAELENDIE CELL
13	LYCOPUDIUM POWDER
14	MAGNETIC COMPASS
15	MERCURIC BULB
16	MIRROR STRIP
17	POROUS POT
18	RUBBER CORK
19	SULPHURIC ACIDE
20	SODIUM VAPOUR LAMP
21	SAND PAPER
22	THERMOMETER
23	ZINC ROD

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LIST OF PHYSICS EQUIPMENTS

NON CONSUMABLE ITEMS

S.NO.	PARTICULARS	S.NO.	PARTICULARS
1	AMMETER	39	MIRROR STRIPS HOLDER
2	ANNORIDE BAROMETER	40	MULTIMETER
3	AC MAIN SUPPLY	41	NEWTON'S 7 COLOUR DISC
4	BATTERY ELIMINATOR	42	N. HYDROMETER
5	BAR PENDULUM	43	OPTICAL BENCHES
6	BRASS BOB	44	PODS
7	BENDING OF BEAN APPARATUS	45	PLUG KEYS
8	BOYLES LAW APPARATUS	46	PENDULUM BOB
9	BATTERY CHARGE	47	PLUMB LINE
10	CALORIMETER	48	PHYSICAL BALANCE
11	CAPACITOR	49	P.L. WEIGHT BOX
12	CROCODILE DIPS	50	POTENTIOMETER
13	CHARLE'S LAW APPARATUS	51	PARALLELOGRAM APPARATUS
14	CYLINDRICAL AND CUBICAL OBJECTS	52	POST OFFICE BOX
15	CARBON RESISTOR	53	P.N. JUNCTION DIODE
16	DOUBLE PULLEY	54	POLOROID
17	DR. BOARD	55	RHEOSTATE
18	DIODE TRANSISTOR PNP-NPN	56	RESISTANCE APPRATUS
19	EXTENSION CARD	57	RESONANCE APPRATUS
20	FORTEIN'S BAROMETER	58	RESISTANCE SOIL
21	GEOMETRICAL BOX	59	RING OF BALL APPARATUS
22	GALVANOMETER	60	STRING BALANCE
23	GROUND SCREEN	61	SCREW GAUGE
24	HOOK	62	SPHENOMETER
25	HELICAL STRING	63	SIMPLE PULLEY
26	HOFTMAN'S PINCH CLIPS	64	STOP WATCH
27	HERNGER WITH WEIGHT	65	SPIRIT LEVEL
28	HYPSOMETER	66	SET OF SIX METAL CUBES
29	INCLINED PLANE	67	SOLID KEY SPRING
30	IRON STARD WITH CLUMPS	68	SOLID SPHERE
31	JOCKEY	69	SONOMETER
32	JOULE'S CALORIMETER	70	STEAM BOILER
33	LAW OF POLLING FRICTION	71	SEERLE'S YOUNG MODULUS APPRATUS
34	LOGIC GATES	72	SPEEDOMETER
35	MAGNETS (HORSE SHOCK)	73	SOLDERING IRON FLUX
36	METER SEAL	74	SEMI-CONDUCTOR DIODE
37	METALLIC CUBE	75	TRIPLE PULLEY
38	METER BRIDGE	76	TUNING FORK

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LIST OF PHYSICS EQUIPMENTS

NON CONSUMABLE ITEMS

S.NO.	PARTICULARS
77	TAPING KEY
78	TRIANGULAR FILES
79	TRAVELLING MICROSCOPE
80	TRANSISTOR (PNP+NPN)
81	TRANSFORMER OF BOX FOR SODIUM VAPOUR LAMP
82	STEP DOWN TRANSFORMER
83	VERNIER CALIPER
84	VOLTMETER
85	WIRE CUTTING GLASS
86	ZENER DIODE ON BOARD

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***** DETAILS OF TECHNICAL STAFF**

Lab Assistant – Ms. Kuldeep Kalra

Lab Attendant – Ms. Shipali

***** SIZE OF THE PHYSICS LABORATORY**

Type of Lab	Square Metres
Physics Lab	100 sq metres

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CHEMISTRY LABORATORY

Equipped with chemicals, glassware, and apparatus for conducting experiments in organic, inorganic, and physical chemistry, allowing trainee teachers to learn safe and effective teaching techniques.

Objectives of Chemistry Laboratories

- Familiarize future teachers with chemical experiments and safety procedures.
- Enhance understanding of theoretical concepts through hands-on applications.
- Develop scientific thinking and investigative skills.

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LIST OF CHEMISTRY EQUIPMENTS

CONSUMABLE ITEMS

S.NO.	ITEMS	S.NO.	ITEMS
1.	Ammonium carbonate	28.	Potassium chromate
2.	Ammonium chloride	29.	Lead acetate
3.	Ammonium sulfate	30.	Sodium sulfate
4.	Ammonium bromide	31.	Potassium iodide
5.	Aluminum sulfate	32.	Lead nitrate
6.	Iron sticks	33.	Cedric ammonium nitrate
7.	Potassium nitrite	34.	2,4 DNP
8.	Ammonium oxalate	35.	Universal indicator
9.	Sodium thiosulphate	36.	Ammonia solution (NH ₄ OH)
10.	Zinc sulfate	37.	Phenol
11.	Cobalt nitrate	38.	Aniline
12.	Sodium hydroxide	39.	Bromine water
13.	Copper sulfate	40.	Acetaldehyde
14.	Potassium nitrate	41.	Acetic acid
15.	Oxalic acid	42.	Fehling solution(A-B)
16.	Magnesium sulfate	43.	Acetone
17.	Magnesium chloride	44.	Carbon disulfide
18.	Ammonium phosphate	45.	Phenolphthalein
19.	Sodium chloride	46.	Nessler's reagent
20.	Potassium ferrocyanide (K ₄ Fe(CN) ₆)	47.	Ammoniumm olybdate
21.	Ferrous sulfate	48.	Nickel carbonate
22.	Sodiumbromide	49.	Nickel sulfate
23.	Ammonium ferrous sulfate	50.	Manganese chloride
24.	Potassium dichromate	51.	Calcium chloride
25.	Bariumchloride	52.	Sodium bisulphate.
26.	Strontium nitrate	53.	Cobalt acetate
27.	Sodium sulfide (Na ₂ S)	54.	Chloroform

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LIST OF CHEMISTRY EQUIPMENTS

NON CONSUMABLE ITEMS

S.NO.	ITEMS
1	BEAKER 100 ML
2	BEAKER 250 ML
3	BURETTE
4	BOILING TUBE
5	BLUE GLASS
6	BUCKNER FUNNEL
7	CONICAL FLASK
8	CONDENSER
9	CENTRIGUFAL TUBE
10	CHROMATOGRAPHY TUBE
11	CRUCIBLE
12	CHINA DISH
13	CAPILLARY TUBE
14	CENTRIFUGAL MACHINE
15	DISTILLATION FLASK
16	DELIVERY TUBE
17	DROPPER
18	FUNNEL
19	FLAT BOTTOM FLAKS
20	FRACTIONAL WEIGHTS
21	GAS JAR
22	GAS JAR LID
23	GLASS TUBING
24	GLASS ROD
25	GLASS CAPILLARS TUBE
26	GLASS WOOL
27	INGETITION TUBES
28	KIPP'S APPRATUS
29	MEASURING FLASK
30	PIPETTE
31	PETRI DISHESH
32	ROUND BOTTM FLASK
33	REAGENT BOTTLE
34	SEPARATIRG FUNNEL;
35	SAND BATH
36	TEST TUBE (SMALL)
37	THISTLE FUNNEL
38	TROUGH
39	VOLUMETRIC FLASK
40	WOOLF'S BOTTDLE
41	WATCH GLASS

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LIST OF CHEMISTRY EQUIPMENTS

NON-CONSUMABLE ITEMS

S.NO.	PARTICULARS
1	ATOMIC MODEL SET
2	ANALYTICAL BALANCE
3	ANALYTICAL WEIGHT BOX
4	ALMIRAH
5	ANALYTICAL BALANCE COVER
6	BEEHIVE SHELVES
7	BLOW PIPE
8	BURNER
9	BRUSHES
10	CORK BORER
11	CORK PRESS WHEEL
12	CHARCOAL BLOCK
13	CORK
14	CLAMP FOR STAND
15	CELLOPHANE PAPER
16	DEFLAGRATING SPOON
17	DISTILLATION PLANT
18	DIGITAL ELECTRONIC BALANCE
19	PIPE FOR DISTILLATION APPRATUS
20	ELECTRONIC BALANCE
21	GLOVES
22	FUNNEL STAND
23	FUNNEL HOLDER
24	FUNNEL
25	GAS TAPE
26	GAS PIPE
27	IRON STAND
28	KIPP'S APPARATUS
29	LOCK WITH KEY
30	LIGHTER
31	MNERCURY TONGS
32	OVER FLOW CANE
33	PESTLE AND MORTAR
34	PLATINUM WIRE
35	PIPETTE STAND
36	IRON RACKS
37	WOODEN RACKS
38	RETORT STAND
39	STIRRING ROD
40	SAND BATH

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***** DETAILS OF TECHNICAL STAFF**

Lab Assistant – Ms. Kumud

Lab Attendant – Ms. Nidhi

*****SIZE OF THE CHEMISTRY LABORATORY**

Type of Lab	Square Metres
Chemistry Lab	100 sq metres

BIOLOGY LABORATORY

Contains microscopes, specimens, models, and charts for practical learning of biological concepts, including human anatomy, plant sciences, and environmental studies.

Objectives of Biology Laboratories

- Promote practical learning of biological concepts through observation and experimentation.
- Train educators in using laboratory specimens, microscopes, and models for teaching.
- Develop an understanding of environmental and life sciences.

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LIST OF BIOLOGY EQUIPMENTS

CONSUMABLE ITEMS

S.NO.	PARTICULARS	S.NO.	PARTICULARS
1	ACETOCARMINE	34	SAFFRANIN
2	ANILINE SULPHATE	35	SUDAN III
3	ACETONE	36	SUDAN IV
4	BUFFER TABLETS	37	SULPHOCYCLIC ACID
5	BENZENE	38	SPIRIT LAMP
6	BENEDICTS SOLUTION	39	SCHIFFS REAGENTS
7	CHLOROFORM	40	SODIUM HYPOBROMITE
8	COVER SLIP	41	SLIDES
9	CLASS WORK MATERIAL	42	THERMOMETER
10	CYTOKINES	43	WRIGHT STAIN
11	CELLOPHONE PAPER	44	XYLENE
12	CAPILLARY TUBE	45	WILLMOTH BUBBLER
13	CHROMATOGRAPHY SHEET	46	YEAST EXTRACT
14	DROPPERS	47	UREA
16	EOSIN		
17	ETHYLENE		
18	ETHYL ACETATE		
19	FEHLING A & B		
20	HAEMOTOXYLENE STAIN		
21	GLYCERINE		
22	GENTION VIOLET		
23	GLUCOSE		
24	JANUS GREEN		
25	LEISHMAN STAIN		
26	METHYLENE BLUE		
27	METHYL VIOLET		
28	MILLION'S REAGENT		
29	MAGNESIUM SULPHATE		
30	MELANIL YELLOW		
31	MEASURING CYLINDER		
32	PETROLEUM ETHER		
33	PHENYL		

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LIST OF BIOLOGY EQUIPMENTS

NON - CONSUMABLE ITEMS

S.NO.	PARTICULARS	S.NO.	PARTICULARS
1	AMOEBA MODEL	39	PARAMECIUM MODEL
2	BIRDS	40	RESPIRATORY SYSTEM
3	BIOLOGICAL MODELS	41	RABBIT
4	BACTERIA CHART	42	RACKS FOR REAGENT BOTTLES
5	CHARTS	43	TABLE
6	COMPOUND MICROSCOPE	44	TEST TUBE STAND (ALUMINIUM)
7	CAGE FOR RATS	45	TRANSPARENTES
8	CENTRIFUGE MACHINE	46	SLIDE BOX
9	CAMERA	47	SPIRIT LAMP
10	DISSECTING TRAYS	48	SPECIMNES
11	DISSECTION BOX	49	STUFFED PIGEON
12	DISSECTING MICROSCOPE	50	WASH BOTTLES
13	ENVIRONMENT PRIMARY KIT	51	WATER BATH SEROLOGICAL
14	ELECTRONIC LAB BALANCE		
15	FORCEPS		
16	HAND LENS		
17	HUMAN MODELS		
18	HUMAN EYE MODEL		
19	HUMAN EAR MODEL		
20	HYDRA		
21	HUMAN BRAIN		
22	HUMAN BODY		
23	HUMAN BODY DISSECTED		
24	HUMAN SKELETON		
25	HUMAN SKULL		
26	KIT FOR GLOBE PROJECT		
27	KOLINOSTATE		
28	MOUNTING NEEDLES		
29	MODEL OF HAND OF MONKEY MAN		
30	MODEL OF DIFFERENT BEAKS		
31	MODEL OF NEXT OF BIRD		
32	MODEL IN ACRYLIC SHOW CASE		
33	MODEL OF PLANT AND ANIMAL KINGDOM		
34	MODIFICATION OF STEM, REAF AND ROOT		
35	MODEL OF DIFFERENT JOINTS		
36	PROJECTOR MICROSCOPE		
37	PREPARED SLIDES		
38	PLAIN SLIDE		

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***** DETAILS OF TECHNICAL STAFF**

Lab Assistant – Ms. Bhawna

Lab Attendant – Ms. Karishma

***** SIZE OF BIOLOGY LABORATORY**

Type of Lab	Square Metres
Biology Lab	100 sq metres

SOCIAL SCIENCE LABORATORY

Features maps, globes, historical models, and digital resources to facilitate Interactive learning of history, geography, political science, and economics.

Objectives of Social Science Laboratories

- Facilitate interactive learning of history, geography, and civics through maps, charts, and models.
- Encourage the use of multimedia and real-world examples in teaching.
- Enhance skills in critical thinking and social analysis.

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LIST OF SOCIAL SCIENCE LAB ITEMS

S.NO.	PARTICULARS	TYPE	QUANTITY
1	MAP OF NORTH AMERICA	POLITICAL	1
2	MAP OF AFRICA	POLITICAL	1
3	MAP OF AUSTRALIA	POLITICAL	1
4	MAP OF AUSTRALIA	PHYSICAL	1
5	MAP OF EUROPE	POLITICAL	1
6	MAP OF SOUTH AMERICA	POLITICAL	1
7	MAP OF INDIA	PHYSICAL	1
8	MAP OF AFRICA	PHYSICAL	1
9	MAP OF NORTH AMERICA	POLITICAL	1
10	MAP OF WORLD	POLITICAL	1
11	MAP OF EUROPE	POLITICAL	1
12	MAP OF ASIA	POLITICAL	1
13	MAP OF INDIA	POLITICAL	1
14	MAP OF WORLD	PHYSICAL	1
15	MAP OF CHATTISGARH	POLITICAL	1
16	MAP OF RUSSIA	POLITICAL	1
17	MAP OF SULTANATE OF DELHI	POLITICAL	1
18	DOWNFALL OF THE MUGHALS	POLITICAL	1
19	KINGDOM OF SOUTH INDIA	POLITICAL	1
20	RISE OF THE MUGHALS UNIFICATION OF ITALY	POLITICAL	1
21	INDIA - ANCIENT AND ARYAN	POLITICAL	1
22	INDIA - UNDER THE BRITISH 1858-1947	POLITICAL	1
23	INDIA - RAJPUT KINGDOM 650 - 1030 A.D.	POLITICAL	1
24	INDIA - RISE OF BRITISH AT THE TIME OF WARREN HASTINGS		1
25	INDIA - KHILJI EMPIRE 1290-1320	POLITICAL	1
26	EMPIRE OF AKBAR	PHYSICAL	1
27	EMPIRE OF AURANGZEB	PHYSICAL	1
28	TUGHLAQ EMPIRE	PHYSICAL	1
29	MAURYAN EMPIRE	PHYSICAL	1
30	VIJAY NAGAR EMPIRE	PHYSICAL	1
31	GUPTA EMPIRE	PHYSICAL	1
32	ROAD TRAFFIC SIGN		1
33	CONVENTIONAL SIGN		1
34	WEATHER MAP		1
35	CONVENTIONAL SIGNS (SMALL)		1
36	AFRICA 1914		1
37	PRESENT DAY INDIA	POLITICAL	1
38	NATIONAL PARKS		1
39	WORLD NATURAL REGIONS		1
40	WORLD NATURAL VEGETATION		1
41	WORLD ANNUAL RAINFALL UNIFICATION OF GERMANY		1
42	WORLD WAR - I	POLITICAL	1

S.NO.	PARTICULARS	TYPE	QUANTITY
43	WORLD WAR - II	POLITICAL	1
44	EUROPE AFTER THE VIENNA CONGRESS		1
45	INDUSTRIALIZATION OF WAR CONTOURS	PHYSICAL	1
46	MUSLIM LEAGUE		1
47	SOCIAL REFORMERS		1
48	EMERGENCE OF NATIONALISM		1
49	QUIT INDIA MOVEMENT		1
50	REVOLUTIONARIES		1
51	NATIONAL MOVEMENT MILLITANT		1
52	NATIONALISM		1
53	NON-COOPERATION MOVEMENT		1
54	INDIAN NATIONAL MOVEMENT		1
55	REVOLT OF 1857 - CAUSES		1
56	REVOLT OF 1857 - EVENTS		1
57	INDIA AND WORLD WAR II		1
58	INDIA ACHIEVES		1
59	INDEPENDECNE		1
60	IMPACT OF THE BRITISH RULE		1
61	EIGHT OF PURNA SWARAJ		1
62	DRAVIDIAN PERIOD		1
63	JAINISM AND BUDDHISM		1
64	EPIC AGE		1
65	LIFE OF ARYANS		1
66	NILE CULTIVATION		1
67	MESOPOTAMIAN CIVILIZATION		1
68	INDUS VALLEY CIVILIZATION		1
69	CHINESE CIVILIZATION		1
70	CHINA REGION		1
71	UNION PARLIAMENT		1
72	NATIONAL WEALTH OF THE EARTH		1
73	PHASES OF MOON		1
74	STORMS AND ANTI-CYCLONES		1
75	ATMOSPHERE AND SPACE		1
76	STRUCTURE OF THE EARTH		1
77	EARTH AND ITS MOTIONS		1
78	PRESSURE AND WINDS		1
79	INDIA-AGRICULTURE		1
80	INDIA-WINTER		1
81	RAINFALLS		1
82	OCEANS		1
83	INDIA - SOILS		1
84	INDIA - RAIN FALL		1
85	INDIA - SUMMER RAINFALL		1
86	INDIA - IRRIGATION		1
87	INDIA - NATURAL REGIONS		1
88	INDIA - INDUSTRIES		1
89	INDIA - NATURAL VEGETATION		1
90	INDIA - MINERALS		1
91	INDIA - HILLS RANGES AND RIVERS		1

S.NO.	PARTICULARS	TYPE	QUANTITY
92	CHINESE CIVILIZATION	PHYSICAL	1
93	HOT GRASSLANDS	PHYSICAL	1
94	MONSOON REGION	PHYSICAL	1
95	SEASONS	PHYSICAL	1
96	SUB- TROPICAL		1
97	TROPICAL DESERT	PHYSICAL	1
98	MEDITERRANEAN		1
99	WINDS DESEERTS		1
100	ZONES OF THE EARTH		1
101	CONFEROUS FOREST REGION		1
102	DIRECTIONS - HOW TO FIND THEM?		1
103	STALACTITES AND STALAGMITES		1
104	VOLCANO AND EARTHQUAKE		1
105	RIVERS - LANDSCAPES		1
106	STEPPE RESIOR		1
107	LONGITUDES AND LATITUTDES		1
108	FACTORS AND EFFECT CLIMATE		1
109	HEAVILY BODIES		1
110	IMPACT OF FOREST		1
111	POPULATION EXPLOSION		1
112	FLAGS OF ALL NATIONS		1

MODELS

S.NO.	PARTICULARS	TYPE	QUANTITY
1	PARLIAMENT		1
2	TEMPLES		1
3	QUTUB MINAR		1
4	MOSQUE		1
5	COMPASS		1
6	VOLCANO		1
7	GLOBE		1

KALKA INSTITUTE FOR RESEARCH AND ADVANCED STUDIES
ALAKNANDA, NEW DELHI-110019

***** DETAILS OF TECHNICAL STAFF**

Lab Assistant – Mr. Neeraj

Lab Attendant – Ms. Harsa

***** SIZE OF THE SOCIAL SCIENCE LABORATORY**

Type of Lab	Square Metres
Social Science Lab	78 sq metres

Art and Craft Laboratory

As per the guidelines of the National Council for Teacher Education (NCTE), the Department of Education (KIRAS) has a well-established and fully functional Art and Craft Laboratory. The laboratory is designed to enhance the creative, aesthetic, and pedagogical skills of student-teachers. The laboratory provides opportunities for hands-on activities like poster making, chart preparation, clay modeling, origami, and decoration work, which help in developing artistic expression and creativity among teacher trainees. It also supports the integration of art into classroom teaching, fostering holistic development and active learning in accordance with NCF and NEP 2020 guidelines. Display boards and samples of students' work further enrich the environment, promoting innovation and experiential learning.

Objectives of the Art and Craft Laboratory

The Art and Craft Laboratory is established in the Department of Education to help student-teachers and research scholars achieve the following objectives:

- *To develop creativity, imagination, and aesthetic sensitivity among student-teachers
- *To provide hands-on experience in preparing teaching-learning materials and teaching aids
- *To enhance fine motor skills and craftsmanship through various art and craft activities
- *To integrate artistic expression with pedagogy for effective classroom engagement
- *To acquaint students with different art forms such as painting, drawing, origami, collage, clay modeling, and decorative crafts
- *To promote the use of low-cost and no-cost materials in the preparation of educational resources
- *To foster innovation and self-expression through visual and performing arts
- *To build confidence in presenting concepts visually through posters, charts, and models
- *To support the planning and organization of exhibitions, bulletin boards, and classroom displays
- *To cultivate a sense of appreciation for cultural and traditional art forms
- *To encourage experiential learning as recommended by NCF and NEP 2020
- *To nurture a positive and creative classroom environment through artistic integration

Art and Craft Laboratory – Equipment Inventory

***Furniture & Storage**

Almirahs – 2
Teacher Tables – 2
Chairs – 2
Stools – 58
Big Tables – 4
Easels – 2

***Display Aids**

Display Boards – 6 (Large)
Display Boards – 2 (Small)

***Drawing & Painting Materials**

Acrylic Paint (Large Bottles) – 22
Oil Pastels
Pastel Sheets – All Colors

***Chart Paper**

Sparkle Sheets
Paint Brushes – Flat & Round

***Craft & Cutting Tools**

Scissors
Paper Cutters
Staple Guns (Large) – 2
Tape Dispensers – 2

***Paper Cutting Machine**

Adhesives
Fevicol (Large Bottles) – 4
Glue Gun – 1

***Miscellaneous**

Draperies – 8

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ALAKNANDA, NEW DELHI-110019**

***** DETAILS OF TECHNICAL STAFF**

Lab Assistant – Mr. Day Anand

Lab Attendant – Ms. Sneha Bhasin

***** SIZE OF ART & CRAFT LABORATORY *****

Type of Lab	Square Metres
Art & Craft Lab	100 sq metres