

LIST OF EQUIPMENTS AVAILABLE IN CURRICULUM LABORATORY/ RESOURCE CENTRE

There is a well-furnished integrated Curriculum Laboratory/Resource Centre with all required Apparatus, Equipment, Specimens, Test , Models and Chemicals etc.

LIST OF EQUIPMENTS

| S.No. | Name of the Item | Quantity |
|-------|---|----------|
| 1. | Multimedia Computers with Speakers, Microphone, LAN Card etc. | 01 |
| 2. | Glass Slabs | 12 |
| 3. | Spherometer | 8 |
| 4. | Sprit Level | 8 |
| 5. | Spring Balance 1 Kg, 500gm, 250 gm | 12 |
| 6. | Stop Clock | 4 |
| 7. | Model of Telescope | 4 |
| 8. | Mercury Thermometer 110 °C | 8 |
| 9. | Clinical Thermometer | 8 |
| 10. | Room Thermometer | 8 |
| 11. | Maxi. & Mini. Thermometer | 4 |
| 12. | Analytical Weight Box 100 gm | 4 |
| 13. | Zinc Rod with terminal | 4 |
| 14. | Zinc Plate with terminal | 4 |
| 15. | Rain Gauge | 4 |
| 16. | Resistance Wire Eureka | 20 gm |
| 17. | Plastic Stand for Mirror | 48 |
| 18. | Plain Mirror Strips | 48 |
| 19. | Lechelanche Cell complete | 4 |
| 20. | Denial's Cell | 4 |
| 21. | Newton's Colour Disc | 4 |
| 22. | Periscope Model | 4 |
| 23. | Pin Hole Camera | 4 |
| 24. | Battery Eliminator of 3 Amp | 4 |
| 25. | Miliammeter DC with Stand | 4 |
| 26. | Milivoltmeter DC with Stand | 4 |
| 27. | Plug Key Two Way | 8 |
| 28. | Plug Key One Way | 8 |
| 29. | Glass Prism 2" | 8 |
| 30. | Standard Resistance Coil | 12 |
| 31. | Rheostat 12"Grooved | 4 |
| 32. | Rheostat 6" Brass Rod | 4 |
| 33. | Ammeter DC with stand | 4 |
| 34. | Voltmeter DC with Stand | 4 |
| 35. | Galvanometer DC with Stand | 4 |

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| 36. | Carbon Rod | 8 |
| 37. | Analytical Balance | 8 |
| 38. | Cell Box for 4 Cells | 8 |
| 39. | Compass 2" | 8 |
| 40. | Copper Plate | 8 |
| 41. | Drawing Board Wooden | 8 |
| 42. | Dynamo (working model) | 4 |
| 43. | Ebonite Rod | 8 |
| 44. | Electric Bell working Model | 8 |
| 45. | Electro Magnet Working | 4 |
| 46. | Gold Leaf Electroscope | 4 |
| 47. | Hand Lenses 3" | 8 |
| 48. | "U" shaped Magnets | 12 |
| 49. | Convex Lenses | 24 |
| 50. | Concave Lenses | 24 |
| 51. | Mirrors Concave | 24 |
| 52. | Mirrors Convex | 24 |
| 53. | Bar Magnet Cobalt Steel (pairs) 3" | 2 |
| 54. | Vernier Caliper | 4 |
| 55. | Screw Gauge | 4 |
| 56. | Electronic Balance | 4 |
| 57. | Digital Multimeter | 4 |
| 58. | Analog Multimeter | 4 |
| 59. | Soldering Iron | 8 |
| 60. | Soldering Wire | 4 |
| 61. | Soldering Flux | 4 |
| 62. | Bread Board | 4 |
| 63. | Meter Scale, Half Meter Scale, 30 c.m. Scale | 4each |
| 64. | Cells of various sizes | 4each |
| 65. | Charts : 1. Energy 2. Measurement of Matter 3. Force 4. Optics 5. Electromagnetism 6. Light 7. Sound 8. Mass & weight 9. Magnetism 10. Heat 11. Density 12. Static Electricity | 2each |
| 66. | Mercury Thermometer 360 °C | 8 |
| 67. | Mercury Thermometer 220 F | 8 |
| 68. | Test-tube Holder | 48 |
| 69. | Wire Gauge 6" x 6" | 48 |
| 70. | Water Bath 6" | 12 |

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| 71. | Sets of Fractional Weights | 12 |
| 72. | Burette 50 ml Polylab | 24 |
| 73. | Burette 50 ml Glass | 48 |
| 74. | Pipette 20 ml Glass | 48 |
| 75. | Beaker 250 ml | 48 |
| 76. | Conical Flask 250 ml | 48 |
| 77. | Watch Glass 3" | 48 |
| 78. | Measuring Cylinder 1000 ml | 4 |
| 79. | Measuring Cylinder 500 ml | 4 |
| 80. | Measuring Cylinder 250 ml | 4 |
| 81. | Glass Tubes & Rods | 4Kg |
| 82. | Gas Jars 6 x 2 | 24 |
| 83. | Atomic Model Set 120 Balls | 4Set |
| 84. | Beehive Shelf | 12 |
| 85. | Iron Stand Complete Set | 24 |
| 86. | Bunsen Burner Brass | 24 |
| 87. | Rubber Corks Assorted | 48 |
| 88. | Cork borer Set of 6 | 4Set |
| 89. | Centrifuge Machine (4 Tubes) | 4 |
| 90. | Filter Paper | 12kt |
| 91. | Lactometer | 12 |
| 92. | Litmus Paper Red | 8Pkt |
| 93. | Litmus Paper Blue | 8Pkt |
| 94. | Model of Sodium Atom | 4 |
| 95. | Model of Diamond Atom | 4 |
| 96. | Model of Graphite Atom | 4 |
| 97. | Mortar & Pestle 6" | 8 |
| 98. | Platinum Loop Wire | 8 |
| 99. | Periodic Table Chart | 4 |
| 100. | Porcelain Dish 3" | 48 |
| 101. | Spectula Steel 6" | 48 |
| 102. | Spirit Lamp Brass | 24 |
| 103. | Spirit Lamp Aluminum | 12 |
| 104. | Tongs 6" | 48 |
| 105. | Tripod Stand | 24 |
| 106. | Dropper 6" Glass | 48 |
| 107. | Winchester Bottle Glass 2.5 liter | 4 |
| 108. | Winchester Bottle Glass 5 liter | 4 |
| 109. | Glass Trough 8" x 4" | 8 |
| 110. | Test-tube Stand | 24 |
| 111. | Test-tube 5" x 5"/8" Pyrex type | 4Pkt |
| 112. | Boiling Tube Pyrex Type | 4Pkt |
| 113. | Reagent Bottle N.M. 250 ml Glass | 48 |
| 114. | Reagent Bottle W.M. 250 ml Glass | 48 |

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| 115. | Capillary Tubes | 4Pkt |
| 116. | Funnel | 4 |
| 117. | Acetic Acid | 4 |
| 118. | Acetone | 4 |
| 119. | Alcohol | 4 |
| 120. | Ammonia Solution | 4 |
| 121. | Ammonium Chloride | 4 |
| 122. | Barium Chloride | 4 |
| 123. | Benedict's Solution | 4 |
| 124. | Calcium Carbide | 4 |
| 125. | Calcium carbonate | 4 |
| 126. | Calcium Chloride | 4 |
| 127. | Calcium Oxide | 4 |
| 128. | Calcium Sulphate | 4 |
| 129. | Conc. Hydrochloric Acid | 4 |
| 130. | Conc. Nitric Acid | 4 |
| 131. | Conc. Sulphuric Acid | 4 |
| 132. | Copper Turnings | 4 |
| 133. | Copper-Sulphate Solution | 4 |
| 134. | Ferrous Sulphate | 4 |
| 135. | Glucose Reagent Set | 4 |
| 136. | Hydrogen Peroxide | 4 |
| 137. | Iodine Solution | 4 |
| 138. | Iron pieces | 4 |
| 139. | Lead Nitrate | 4 |
| 140. | Litmus Solution | 4 |
| 141. | Maganese di Oxide | 4 |
| 142. | Methyl Orange Dye | 4 |
| 143. | Oxide Powder | 4 |
| 144. | Potassium Nitrate | 4 |
| 145. | Potassium permanganate | 4 |
| 146. | Royal Blue Ink | 4 |
| 147. | Salt - B | 4 |
| 148. | Sodium Carbonate | 4 |
| 149. | Sulphur Powder | 4 |
| 150. | Wax | 4 |
| 151. | Zinc metal dust | 4 |

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| 152. | Charts : 1. Water 2. Matter 3. Acids & Bases 4. Air 5. Hydrogen 6. Periodic Table of the Elements in Long Form 7. Periodic Table Chart – small sized 8. Laboratory Safety Chart | 4each |
| 153. | Microscope Compound with Triple revolving nose complete with wooden case (lock & keys) | 8 |
| 154. | Dissecting Microscope complete with wooden case | 8 |
| 155. | Microscope Projection 6" Screen & Built in Transformer & Condenser with wooden case (lock & keys) | 4 |
| 156. | Slide Box (400 Slides) | 4 |
| 157. | Prepared Slides | 200 |
| 158. | Museum Specimens in Jar : 1. Jelly Fish 2. Brittle Star 3. Millipede 4. Chiton 5. Earthworm 6. Cockroach 7. Lobster 8. Sponge 9. Boney Fish 10. Earth worm 11. Prawn 12. House Lizard 13. Pila 14. Scorpion 15. Ascaris | 30 |
| 159. | Seed Germination Sets in jar 1. Castor Germination 2. Maize Germination | 4 |
| 160. | Portraits of Scientists & Mathematicians : 1. Dr. Homi Jahangir Bhabha 2. C.V. Raman 3. Thomas Alva Edison 4. Galileo Galieli 5. Sir J.C. Bose 6. Pythagoras 7. Leonhard Euler 8. Blaise Pascal 9. S. Ramanujam 10. Aryabhata 11. Bhaskaracharya | 2 each |
| 161. | Model of Eye (Fiber) | 4 |
| 162. | Model of Heart (Fiber) | 4 |
| 163. | Model of Brain (Fiber) | 4 |
| 164. | Model of Digestive System (Fiber) | 4 |
| 165. | Model of Circulatory System (Fiber) | 4 |

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| 166. | Model of Excretory System (Fiber) | 4 |
| 167. | Standing Rack Wooden | 8 |
| 168. | Plain Slide Packet | 4 |
| 169. | Cover Slip Packet | 4 |
| 170. | Dropping Bottle - 60 ml | 48 |
| 171. | Human Skeleton with Wooden Box | 4 |
| 172. | Charts : 1. The muscles 2. The Teeth 3. The Heart 4. The Urinary System 5. The Brain 6. The Skin 7. The Ear 8. The Digestive System 9. The Spinal Cord 10. The Breathing system 11. Human Skeleton 12. Human Body 13. Insects 14. Vitamins 15. Human Physiology 16. Human Anatomy | 2 each |
| 173. | Magnetic Kit | 4 Set |
| 174. | Dissection Boxes | 12 |
| 175. | <u>CHARTS :</u> 1. Time 2. Number 3. Measures 4. Shape 5. Geometry 6. Data 7. Fractions 8. Formulae 9. Money 10. Patterns 11. Algebra 12. Mathematical Symbols 13. Theorems 14. Angles | |

MODELS :

176.

1. Set of Geometrical Figures
(Cubes, Cuboid, Cylinders, Cones, Spheres, Hemispheres, Prism, Pyramids etc.)
2. Geometrical Instrument Box (
3. Abacus
4. Geoboards (Square and Circular)
5. Measuring Tapes
6. Meter Scales (Stainless Steel)
7. Half Meter Scale (Stainless Steel)
8. Transparent Acrylic Figures
9. Conic Section
10. Geometrical Stencils
11. Theodolite Model
12. Vernier Caliper
13. Dummy Clock
14. Counting Game with marbles
15. Place Value
16. Triangle Patterns
17. Dominoes
18. Napier Strips
19. Cusinaire Strips
20. Wooden Shapes
21. Broom Sticks
22. Wooden Sticks
23. Fraction Disc
24. Cubic Rods
25. Stop Watch
26. Dummy Currency Notes
27. Formation of Tetrahedron
28. Fraction Wheel
29. Integer Number Line Bar
30. Decimal Plate
31. Algebra Identities
32. Construction of Parabola
33. Volume Relations
34. Angle Sum Properties
35. Rain Gauge
36. Sextant Model
37. Mensuration Kit
38. Dummy Cheque Book and Pay-in-Slip
39. Magnetic Board and Kit
40. Thermometer
41. Plastic Moulds
42. Transparenciesndard Time Indicator
44. Clinometer Compass

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| 177. | Geographical globes | 04 |
| 178. | <p>Maps of :</p> <ol style="list-style-type: none"> 1) World Political 2) World Physical 3) Asia Political 4) Asia Physical 5) Europe Political 6) Europe Physical 7) North America 8) South America 9) Australia Political 10) Australia Physical 11) Africa Political 12) Africa Physical 13) Indian Political 14) Indian Physical 15) Rajasthan Political 16) Rajasthan Physical 17) Sikar District | 03 each |
| 179. | <p>Charts of :</p> <ol style="list-style-type: none"> 1) The Solar System 2) The Volcano 3) Endangered Earth 4) The Eclipses 5) Life History of a Star 6) National Symbols 7) Historical Places of India 8) People of India & their dresses 9) Indian Handicrafts 10) The Solar System – Small sized 11) Great Leaders of India 12) Seasons 13) Flags of Nations 14) Pollution & Environment Chart 15) Courtesy | 03 each |
| 180. | <p>Models :</p> <ol style="list-style-type: none"> 1) Solar System 2) Solar & Lunar Eclipses 3) Apparatus Day & Night 4) Seasons | 01 each |
| 181. | Binoculars | 01 |
| 182. | Outlined map of World on Black Board | 01 |
| 183. | Outlined map of India on Black Board | 01 |

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| 184. | Map Stand | 02 |
| 185. | Atlases | 06 |
| 186. | Stencils Set | 06 |
| 187. | Instruments Box | 02 |
| 188. | Wind Vane | 01 |
| 189. | Thermometers (Digital & Analog) | 04 |
| 190. | Humidity Meter | 01 |
| 191. | Slides for Slide Projector | 55 |
| 192. | OHP Transparencies | 80 |
| 193. | Detachable Map of India | 02 |