

## INSTRUCTIONAL FACILITIES AVAILABLE

### GENERAL INSTRUCTIONAL AIDS

#### *Audio Visual Aids*

TV / DVD Player / Radio / Photographs / Films

#### *Display Boards*

Flannel Boards / Bulletin Boards

#### *Projected Aids*

LCD Projector / Digital Visualiser / OHP / Slide Projector

#### *Graphic Aids*

Charts / Pictures / Graphs / Maps

### CURRICULUM LABORATORY

#### **Instructional Aids for Physical Science Education**

##### *Equipments / Apparatus*

Digital pH/Conductivity/TDS/Salinity/Temperature Meter  
Ammeter, Galvanometer, Voltmeter, Water Distillation Unit  
Spring Balance, Physical Balance, Rheostat, Tuning fork, Thermometer  
Lenses, Mirrors, Cells, Magnets

##### *Chemicals*

pH papers, pH solutions, indicators, salts, bases, acids, metals

##### *Models*

Still models and Working models of Physics and Chemistry of Secondary School Syllabus

##### *Charts*

Displaying the principles of Physics and Chemistry

##### *Photographs*

Photographs of eminent Scientists

##### *Glassware*

Beakers, Test tubes, Pipettes, Burettes, Boiling tubes, Funnel, China Dish, Reagent bottles, Measuring cylinder, Glass rods, Glass tubes

#### **Instructional Aids for Natural Science Education**

##### *Equipments*

Compound Microscope  
Dissection Microscope  
Digital Sphygmomanometer  
Digital Blood Sugar Monitor  
Digital Thermometer - Clinical

##### *Models*

Human skeletal system, Brain, Heart, Ear, Eye  
Chloroplast, Plant Cell, Animal Cell

##### *Specimens*

Human embryo, Foetus  
Organisms (Algae, Fungi etc.)  
Insects, Reptiles

##### *Charts*

Displaying the structure of skeleton, brain, heart, ear, eye  
Respiratory system, Circulatory system, Excretory system  
Flower, Photosynthesis, Life cycle of Butterfly

Plant Cell, Animal Cell, Pollination, Hybridisation

*Photographs*

Photographs of eminent Scientists

*Glassware*

Slides, Petri Dish, Beakers, Test tubes, Pipettes, Burettes, Reagent bottles

**Instructional Aids for Mathematics Education**

*Mathematical Models*

Working Models

Still models like prisms, pyramids & other geometrical shapes

*Charts*

Displaying mathematical principles

*Photographs*

Photographs of eminent mathematicians

*Geometrical instruments*

Comprising of Compass, Scale, Protractor etc.

**Instructional Aids for Social Science Education**

*Apparatus*

Globe

*Models*

Solar System model

Delta model

Digital amino meter

For Seasons Apparatus

Wind Mill working model

Set of 20 rocks & minerals

Standard Time Indicator

Solar and Lunar Eclipses

Day and Night Apparatus

Seasons Apparatus Set of 4 Globes

Theodolite Model

Students' Planetarium

Weather Station

Rock sets

*Charts (Time Chart /Flow Chart /Issue Chart /Table Chart /Pictorial Chart)*

Continents Chart

Geography Chart

India political

Kerala political

World political

Road traffic sign chart

Great Wonder of the world

Out Line Map- India

Telungana Political

Leaders

*Maps*

Political Maps

Physical Maps

Geographical Outline Map

## **Instructional Aids for Language Education**

*Language teaching resources for English and Malayalam language education*

*Models / Charts / Flash Cards / Cut-outs*

*I.T. enabled Language Lab*

## **Instructional Aids for Commerce Education**

*Models*

Still models of Cheque, Bill of Exchange etc.

*Specimens / Formats*

Important documents like Memorandum of Association, Articles of Associations, Partnership Deed etc.

*Charts*

Management Principles, Decision making process, Types of trade etc.

*Photographs*

Photographs of eminent management thinkers

*Pictures*

Accounting Cycle, Steps in Planning, Need hierarchy etc.

## **Instructional Aids for Psychology**

Photograph's of Eminent Psychologists

Human Physiology charts

Psychomotor Tests

Perception Tests

Memory Tests

Learning Tests

Aptitude Tests

Personality Tests

Intelligence Tests

Creativity Tests

Interest Inventories

Guidance Tools

Mental Health Scales

### ***Test Instruments***

Memory Drum

Winking Reflex Apparatus

Eye – hand co-ordination Test Apparatus

Trial & Error Learning Maze

Mirror Drawing Apparatus

Finger Dexterity Board

Sequin Form Board

Bhatia's battery of performance Test of Intelligence

Horizontal – Vertical Illusion Board

Grip dynamometer

Speedometer

Passi – Usha Test of Creative Problem Solving

Teaching Aptitude Test Battery

Guidance Needs Inventory

T.A.T. Blank for Recording and Interpreting T.A.T. stories  
Differential Aptitude Tests  
Mechanical Reasoning  
Consumable Booklet of PSSH1,TCF, TCW  
Children's Apperception Test  
Thematic Apperception Test  
Psychodiagnostics Text Book  
Rorschach Test  
A practical Manual for the Rorschach Test  
Eminent Psychologists (13)  
Non Verbal Test of Creative Thinking  
Vocational Interest Record  
Educational Interest Record  
Verbal Test of Creative Thinking  
Cattell's 16 PF Questionnaire – Form C, Form E, Form A, Form D, Form B  
Rorschach Ink Blot Test  
Raven's Coloured Progressive Matrices  
Raven's Standard Progressive Matrices  
Maps & Charts  
Schema block – Art  
Tachistoscope with a span of attention card  
Electrical distraction of attention box  
Knox cube imitation test  
Cube construction test  
A set of cards for paired associate learning  
Aesthesiometer with blind goggles  
Size weight illusion box  
Tweezer Dexterity board with pins

### **GAMES AND SPORTS EQUIPMENTS / FACILITIES**

- *Indoor* – Yoga Mats / Table Tennis / Chess Board / Carrom Board / Fitness Centre - Gymnasium / Tread Mill (2) / Orbitrack / Multigym (2) / Weight lifting equipments and other fitness equipments, Throwing implements
- *Outdoor* – Football / Volleyball / Shuttle Badminton Courts - Shuttle rackets & cocks / High Jump Uprights / Cricket Kit / Balls for different outdoor games / Hand Ball Court / Shot / Discus / Javelin / Skipping ropes

### **ART AND CRAFT / WORK EXPERIENCE ROOM**

*Charts, Pictures, Films, Songs, Working Tools and Instruments*

#### **Musical Instruments**

- Veena – 1
- Guitar – 2
- Tabla – 2
- Harmonium - 1
- Violin – 1
- Electric Keyboard – 1
- Mridangam – 1

- Drum – 2
- Flute – 1
- Bugle – 2
- Gajra – 1
- Chilanka – 1