



# Mount Abu Public School

Sector 5, Rohini, New Delhi - 110085



CLASS - XI

## SYLLABUS (2024-25)

TOGETHER AT MOUNT ABU FOR A SUSTAINABLE FUTURE

# **PREFACE**

Welcome to the academic year 2024-25!

This curriculum serves as your guide to the courses and expectations for the upcoming academic term. It is designed to provide you with a clear understanding of the content, objectives, assessments, and guidelines for each subject you will be studying.

At Mount Abu School, we are committed to providing you with a stimulating and supportive learning environment that fosters academic excellence, personal growth, and character development. This syllabus reflects our dedication to ensuring that you receive a well-rounded education that prepares you for success in both your academic pursuits and your future endeavors beyond the classroom.

Throughout this curriculum, you will find essential information about each subject and their elements. We encourage you to review this information carefully and refer to it regularly throughout the academic year to stay organized and informed.

Remember, your success is a result of your effort, determination, and resilience. Stay focused, stay curious, and never hesitate to seek assistance when needed.

**All the Best!**

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# ACCOUNTANCY

Course book: T. S. Grewal , NCERT, Reference book : T.S. GREWAL, Practice Manual

Project : To be covered during the session 2024-25

## APRIL-MAY

PART-A Financial Accounting-I

### Unit 1 Theoretical Framework

Ch.1 Introduction to Accounting

Ch.2 Basic Accounting Terms

Ch.3 Theory Base of Accounting and Accounting Standards

Ch.4 Bases of Accounting

### Unit 2 Accounting Process

Ch.5 Accounting Equation

Ch.6 Accounting Procedure – Rules of Dr.& Cr.

Ch.7 Business Transactions- Vouchers

Ch.8 Journal including GST

Ch.9 Ledger

## JULY-AUGUST

### PART-A

Ch.10 Special Purpose Book 1 – Cash book

Ch.11 Special Purpose Book II- Other Book including GST

Ch.12 Trial Balance

Ch.13 Bank Reconciliation Statement

Ch.14 Depreciation (including Provision for Depreciation)

Ch.15 Provision & Reserve

## SEPTEMBER – OCTOBER

PART-A Financial Accounting-I

Ch.17 Rectification of Errors

### PART-B Financial Accounting -II

#### Unit 3 Financial Statement of Sole Proprietorship

Ch.18 Financial Statement of Sole Proprietorship

## NOVEMBER - DECEMBER

Ch.19 Adjustment in Preparation of Financial Statement

Ch.20 Accounts from Incomplete Records

## TERM WISE SYLLABUS

**July Test Series :** Introduction to Accounting; Basic Accounting Terms; Theory Base of Accounting and Accounting Standards; Bases of Accounting; Accounting Equation; Journal including GST; Ledger.

**Half Yearly Exam :** Introduction to Accounting; Basic Accounting Terms; Theory Base of Accounting and Accounting Standards; Bases of Accounting; Accounting Equation; Journal including GST; Ledger; Special Purpose Book 1 – Cash book; Special Purpose Book II- Other Book including GST; Trial Balance; Bank Reconciliation Statement.

**December Test Series:** Depreciation (including Provision for Depreciation); Provision & Reserve; Rectification of Errors

**Mock Annual Exam** : Full Syllabus

**Annual Exam:** Full Syllabus

# ARTIFICIAL INTELLIGENCE

Text Book : Artificial Intelligence (Touchpad), CBSE Study Material

## APRIL – MAY

### Subject Specific Skills

Unit 1 : Introduction to AI

Unit 2 : AI Applications and Methodologies

Unit 3 : Maths for AI

### Employability Skills

Unit 1 : Communication Skills -III

## JULY – AUGUST

### Subject Specific Skills

Unit 4 : AI Values (Ethical Decision Making)

Unit 5 : Introduction to Storytelling

### Employability Skills

Unit 2 : Self Management Skills

Unit 3 : ICT Skills -III

## SEPTEMBER - OCTOBER

### Subject Specific Skills

Unit 6 : Critical & Creative Thinking

Unit 7 : Data Analysis ( Computational Thinking)

### Employability Skills

Unit 4 : Entrepreneurial Skills -III

## NOVEMBER - DECEMBER

### Subject Specific Skills

Unit 8 : Regression

Unit 9 : Classification & Clustering

Unit 10: AI Values (Bias Awareness)

### Employability Skills

Unit 5 : Green Skills -III

### Term wise Syllabus

#### July Test Series:

Unit 1 : Introduction to AI, Unit 2: AI Applications and Methodologies

Unit 3 : Maths for AI, Unit 1 : Communication Skills -III

#### Half Yearly Examination:

Unit 1 : Introduction to AI ,Unit 2: AI Applications and Methodologies ,

Unit 4 : AI Values (Ethical Decision Making) Unit 5 : Introduction to

Storytelling, Unit 2: Self Management Skills, Unit 3 : ICT Skills -III

#### December Test Series:

Unit 6 : Critical & Creative Thinking, Unit 7 : Data Analysis ( Computational

Thinking), Unit 8 : Regression, Unit 4 : Entrepreneurial Skills -III

#### Mock Annual:

Entire Syllabus

#### Annual Exam

Entire Syllabus

# APPLIED MATHEMATICS

Course Book : APC Applied Mathematics

## APRIL-MAY

- Chapter 5 : Sets and Relations
- Chapter 2 : Indices and Logarithms
- Chapter 1 : Numbers
- Chapter 3 : Quantitative Aptitude

## JULY- AUGUST

- Chapter 4 : Mensuration
- Chapter 9 : Functions

## SEPTEMBER-OCTOBER

- Chapter 6 : Sequence and Series
- Chapter 7 : Permutations and Combinations
- Chapter 8 : Mathematical Reasoning
- Chapter 14 : Compound Interest and Annuity
- Chapter 15 : Taxation
- Chapter 16 : Utility Bills

## NOVEMBER-DECEMBER

- Chapters 10 : Limits and Continuity
- Chapter 11 : Differentiation
- Chapter 12 : Probability
- Chapter 13 : Descriptive Statistics
- Chapter 17 : Straight Line
- Chapter 18 : Circle and Parabola

## TERM WISE SYLLABUS

- July Test Series :** Chapter 1 Numbers , Chapter 2 Indices and Logarithms , Chapter 3 Quantitative Aptitude, Chapter 4 Mensuration , Chapter 9 Functions
- Half Yearly Examination:** Chapter 1 Numbers , Chapter 2 Indices and Logarithms , Chapter 3 Quantitative Aptitude, Chapter 4 Mensuration , Chapter 5 Sets and Relations, Chapter 6 Sequence and Series, Chapter 7 Permutations and Combinations, Chapter 8 Mathematical Reasoning , Chapter 9 Functions , Chapter 14 Compound Interest and Annuity, Chapter 15 Taxation
- December Test Series :** Chapter 11 Differentiation, Chapter 12 Probability, Chapter 13 Descriptive Statistics, Chapter 16 Utility Bills
- Mock Annual:** Full Syllabus
- Annual:** Full Syllabus

# BIOLOGY

## APRIL — MAY

Chapter 1	The Living Organism
Chapter 2	Biological Classification
Chapter 5	Morphology of Flowering Plants
Chapter 9	Biomolecules
Chapter 10	Cell Cycle and Division

## JULY - AUGUST

Chapter 14	Breathing and Exchange of Gases
Chapter 11	Photosynthesis in Higher Plants
Chapter 12	Respiration in plants
Chapter 15	Body fluids and circulation
Chapter 16	Excretory Products and Elimination

## SEPTEMBER-OCTOBER

Chapter 8	Cell Structure and Function
Chapter 6	Anatomy in flowering plants
Chapter 7	Anatomy of Animals
Chapter 13	Growth and development
Chapter-19	Chemical Control and Coordination

## NOVEMBER-DECEMBER

Chapter 17	Locomotion and Movements
Chapter 18	Neural Control and Coordination
Chapter 3	Plant Kingdom
Chapter 4	Animal Kingdom

## TERM WISE SYLLABUS

**July Test Series:** Chapter 1 The Living Organism, Chapter 2 Biological Classification Chapter 5 Morphology of Flowering Plants, Chapter 9 Biomolecules, Chapter 10 Cell Cycle and Division

**Half Yearly:** Chapter 1 The Living Organism, Chapter 2 Biological Classification Chapter 5 Morphology of Flowering Plants, Chapter 9 Biomolecules Chapter 14 Breathing and Exchange of Gases, Chapter 10 Cell Cycle and Division Chapter 11 Photosynthesis in Higher Plants Chapter 12 Respiration in plants Chapter 15 Body fluids and circulation Chapter 16 Excretory Products and Elimination

**December Test Series:** Chapter 8 Cell Structure and Function Chapter 6 Anatomy in flowering plants Chapter 7 Anatomy of Animals Chapter 13 Growth and development Chapter-19 Chemical Control and Coordination

**Mock Annual Exam:** Full Syllabus

**Annual Exam :** Full Syllabus

# BUSINESS STUDIES

Course Book : N.C.E.R.T.

Reference Book: Business Studies by Subhash Dey ,Practice Manual

Project : To be covered during the session 2024-25

## APRIL - MAY

- Chapter 9 : Financial Management
- Chapter 10 : Financial Markets
- Chapter 11 : Marketing Management
- Chapter 12 : Consumer Protection

## JULY - AUGUST

- Chapter 10 : Financial Markets (continued)
- Chapter 1 : Nature and Significance of Management
- Chapter 2 : Principles of Management
- Chapter 3 : Business Environment

## SEPTEMBER –OCTOBER

- Chapter 4 : Planning
- Chapter 8 : Controlling

## NOVEMBER-DECEMBER

- Chapter 5 : Organizing
- Chapter 6 : Staffing
- Chapter 7 : Directing

## TERM WISE SYLLABUS

**May Test Series** : Chapter 9- Financial Management  
Chapter 11- Marketing

**July-Aug. Test Series** : Chapter 1: Nature and significance of management, Chapter 2: Principles of Management, Chapter 9: Financial Management ,Chapter 10: Financial Market ,Chapter 11: Marketing Management

**Half Yearly Exam** : Chapter 1: Nature and Significance of Management ,Chapter 2 : Principles of Management, Chapter 3: Business Environment, Chapter 4: Planning Chapter 8: Controlling, Chapter 9: Financial management, Chapter 10: Financial Market, Chapter 11: Marketing management, Chapter 12: Consumer Protection Act

**Mock Annual** : Full Syllabus

**Annual** : Full syllabus



# CHEMISTRY

- Textbooks :**
1. Chemistry Part -I, Published by NCERT
  2. Chemistry Part -II, Published by NCERT

**Recommended Reference Books :**

1. Comprehensive Chemistry by Dinesh's Publication
2. Fundamentals of Chemistry by Pradeep's Publication
3. Exemplar Problems in Chemistry by NCERT

**Practice Manual: Lab Manual by NCERT, Comprehensive (Laxmi Publication)**

## APRIL-MAY

- Chapter-1 : Some Basic Concepts of Chemistry  
Chapter-2 : Structure of Atom  
Chapter – 3 : Classification of Elements and Periodicity in Properties

**Practicals**

**Experiment based on pH**

1. Determination of pH of some solutions obtained from fruit juices, varied concentrations of acids, bases and salts using pH paper or universal indicator.
2. Comparing the pH of solutions of strong and weak acids of same concentration.

**Quantitative Estimation (Any two)**

1. Preparation of standard solution of sodium carbonate. To determine strength of given solution of HCl by titrating it against standard sodium carbonate solution (micro analysis).
2. Preparation of standard solution of Mohr salt.  
To determine molarity and strength of given  $\text{KMnO}_4$  solution by titrating against standard solution of Mohr salt (micro analysis).

## JULY-AUGUST

- Chapter-4 : Chemical Bonding and Molecular structure  
Chapter-5 : Thermodynamics  
Chapter-6 : Equilibrium (till Chemical Equilibrium)

## SEPTEMBER-OCTOBER

- Chapter-6 : Ionic Equilibrium  
Chapter-7 : Redox Reaction

## NOVEMBER-DECEMBER

- Chapter-8 : Some Basic Concepts of Organic Chemistry  
Chapter-9 : Hydrocarbons

**Practical**

**Qualitative Analysis**

- \* Determination of one anion and one cation in a given salt  
Anions :-  $\text{CO}_3^{2-}$ ,  $\text{S}^{2-}$ ,  $\text{SO}_3^{2-}$ ,  $\text{SO}_4^{2-}$ ,  $\text{Cl}^-$ ,  $\text{Br}^-$ ,  $\text{I}^-$ ,  $\text{C}_2\text{O}_4^{2-}$ ,  $\text{CH}_3\text{COO}^-$ ,  $\text{PO}_4^{3-}$   
Cations :-  $\text{NH}_4^+$ ,  $\text{Pb}^{2+}$ ,  $\text{Cu}^{2+}$ ,  $\text{Al}^{3+}$ ,  $\text{Fe}^{3+}$ ,  $\text{Zn}^{2+}$

**INVESTIGATORY PROJECTS**

Scientific investigations involving laboratory testing and collecting information from other sources.

## TERM WISE SYLLABUS

- July Test Series** : Chapter-1: Some Basic Concepts of Chemistry, Chapter-2: Structure of Atom, Chapter – 3 : Classification of Elements and Periodicity in Properties
- Half Yearly** : Chapter-1: Some Basic Concepts of Chemistry, Chapter-2 : Structure of Atom, Chapter – 3 : Classification of Elements and Periodicity in Properties, Chapter – 4 : Chemical Bonding and Molecular structure, Chapter – 5 : Thermodynamics, Chapter – 6 : Equilibrium (till Chemical Equilibrium)
- December Test Series** : Chapter – 6 : Equilibrium, Chapter – 7 : Redox Reaction
- Mock Annual Exam** : Full Syllabus      **Annual Exam** : Full Syllabus

# COMMERCIAL ART

Text Book : An introduction of Indian Art Part- 1

## APRIL-MAY

Subject theory

Unit 1 : Pre Historic Rock Painting ( Harppa & Mahenjo Daro )

Practical : Drawing ( still life, nature, monochrome work )

## JULY – AUGUST

Theory : Unit -2 Buddhist , Jain, Hindu Art ( Lion Capital, Chauri Bearer, Seated Buddha, Jain Tirthankara )

Practical : lettering – roman and devnagari scripts, folk art, human figure

## SEPTEMBER - OCTOBER

Theory : Unit -3 Temple Sculpture, Bronzes

Practical : Tourism, Calligraphy

## NOVEMBER-DECEMBER

Theory : Unit -3 ( Artistic Aspects Of Indo-Islamic Architecture )

Practical : Product Design, Model Study

## TERM WISE SYLLABUS

May Test Series: Unit 1 : Pre Historic Rock Painting & Art Of Indus Valley Civilization

Aug Test Series: Unit -2 : Buddhist, Jain & Hindu Art

Half Yearly Examination: Unit 1 : Pre Historic Rock Painting, Unit -2 Buddhist, Jain, & Hindu Art  
Unit 3 : Temple Architecture, Bronzes & Artistic Aspects Of Indo Islamic Art

Mock Annual : Entire Syllabus

Annual: Entire Syllabus

# COMPUTER SCIENCE

BOOKS : COMPUTER SCIENCE WITH PYTHON BY SUMITA ARORA & NCERT

## April - May

CH-5: INTRODUCTION TO PROBLEM SOLVING

CH-6: GETTING STARTED WITH PYTHON

CH-7 : PYTHON FUNDAMENTALS

CH-8: DATA HANDLING

## JULY- AUGUST

CH-9: FLOW OF CONTROL

CH-10: STRING MANIPULATION

## SEPTEMBER- OCTOBER

CH-11: LIST MANIPULATION

CH-12: TUPLES

## NOVEMBER- DECEMBER

CH-13: DICTIONARIES

CH-1 : COMPUTER SYSTEM OVERVIEW

CH-3: BOOLEAN LOGIC

CH-4: EMERGING TRENDS

CH-15: CYBER SAFETY

CH-16: ONLINE ACCESS AND COMPUTER SECURITY

CH-17: SOCIETY, LAW & ETHICS

## TERM WISE SYLLABUS

<b>July Test Series</b>	:	Ch 5 -Introduction to problem solving,CH-6- getting started with Python,CH-7 Python Fundamentals,CH-8 Data Handling
<b>Half-Yearly Exam</b>	:	CH-6- getting started with Python,CH-7 Python Fundamentals,CH-8 Data Handling Ch- 9 Flow of control, CH-10-String Manipulation
<b>December Test Series</b>	:	CH- 11 List manipulation, CH-12 Tuples, CH13-Dictionaries
<b>Mock Annual</b>	:	<b>Full syllabus with Practical</b>
<b>Annual Examination</b>	:	<b>Full syllabus with Practical</b>

# DATA SCIENCE

Course Book: CBSE Study Material

## JUNE - JULY

Unit -1: Ethics in Data science

Unit 2 : Assessing Data

Unit 2: Self-management Skills – III

## AUGUST-SEPTEMBER

Unit -3: Forecasting Data

Unit 4: Randomisation

Unit 3: Basic ICT Skills- III

## OCTOBER – NOVEMBER

Unit 5: R - Studio

Unit 4: Entrepreneurial Skills – III

## DECEMBER- JANUARY

Unit 5: R -Studio

Unit 5: Green Skills - III

## TERM WISE SYLLABUS

<b>July Test Series</b>	: Employability skills : Unit 2- Assessing Data , Subject specific: Unit -1: Ethics in Data science , Unit 2 : Assessing Data
<b>Half Yearly</b>	: Employability skills: Unit 2 : Assessing Data , Unit 2: Self-management Skills – III, Subject specific : Unit -1: Ethics in Data science ,Unit 2 : Assessing Data ,Unit 2: Self-management Skills – III
<b>December Test Series</b>	: Employability skills: Unit 4: Randomisation , Unit 3: Basic ICT Skills- III Subject specific: Unit -3: Forecasting Data, Unit 4: Randomisation , Unit 3: Basic ICT Skills- III
<b>Mock Annual Exam</b>	: Full Syllabus
<b>Annual Exam</b>	: Full Syllabus

# EARLY CHILDHOOD CARE AND EDUCATION

Course Book: Resource Material posted by CBSE on its official site

Employability Skills Reference Book : Posted by CBSE on its official site

## APRIL -MAY

### UNIT 1: Introduction to early childhood care and education

Chapter 1 : Understanding The context of the child-gender, social class, caste ,religion, family structure. location

Chapter 2 : Relevance of ECCE- critical periods and factors affecting development

Chapter 3: Rights of children, survival, development, protection and participation

**Employability : Communication skills**

## JULY -AUGUST

### UNIT 2: Foundations of child development

Chapter 1 : Needs of the child

Chapter 2 : Sensory, physical and motor development milestones

Chapter 3 : Cognitive development

Chapter 4 : Language development

Chapter 5 : Social emotional development

**Employability : Self Management skills**

## SEPTEMBER-OCTOBER

### UNIT 3: Nutrition and health needs of the child

Chapter 1 : Ensuring optimal health and growth measuring head circumference height weight, MUAC, use of growth chart, malnutrition

Chapter 2: Common childhood illnesses prevention and management (immunization schedule)

Chapter 3: Nutrition importance of BF, complementary Feeding, food of groups and balanced meal planning, safe handling of food

Chapter 4: First aid and handling emergency, simple injury, sprain, burns

Chapter 5 : Hygienic care practices especially when handling children in group situations

**Employability : ICT skills**

## NOVEMBER -DECEMBER

### UNIT 4: Developmentally Appropriate Care And Activities For Holistic Development

Chapter 1: Importance of play in development

Chapter 2: Care and practices for birth to 6 months

Chapter 3: Care and activities for 7 months to 1 years

Chapter 4: Care and activities for 1 year to 3 years

**Employability : Entrepreneurship skills**

## **UNIT 5: Inside Outside Care And Learning Environment**

Chapter 1: Environment for health and safety

Chapter 2: Environment for stimulation and learning

## **UNIT 6: Ways of reaching out to parents and community**

Chapter 1: Ways of reaching out to parents and community

Chapter 2: Essential messages for parents and community- positive discipline, screen time and TV time and healthy feeding

**Employability : Green skills**

## **TERM WISE SYLLABUS**

**July Test Series** : Unit 1- Chapter 1: Understanding The context of the child-gender, social class, caste , religion, family structure. Location, Chapter 2 : Relevance of ECCE- critical periods and factors affecting development, Chapter 3: Rights of children, survival, development, protection and participation, Employability : Communication skills and **Unit 2-** Chapter 1: Needs of the child, Chapter 2 : Sensory, physical and motor development milestones, Chapter 3 : Cognitive development, Chapter 4 : Language development, Chapter 5 : Social emotional development , Employability : Self Management skills

**Half Yearly Examination: Unit 1--** Chapter 1: Understanding The context of the child-gender, social class, caste ,religion, family structure. Location, Chapter 2 : Relevance of ECCE- critical periods and factors affecting development, Chapter 3: Rights of children, survival, development, protection and participation, Employability : Communication skills, **Unit 2--** Chapter 1 : Needs of the child, Chapter 2 : Sensory, physical and motor development milestones, Chapter 3 : Cognitive development, Chapter 4 : Language development, Chapter 5 : Social emotional development ,Employability : Self Management skills , **Unit 3-** Chapter 1 : Ensuring optimal health and growth measuring head circumference height weight, MUAC, use of growth chart, malnutrition, Chapter 2: Common childhood illnesses prevention and management (immunization schedule), Chapter 3 : Nutrition importance of BF, complementary Feeding, food of groups and balanced meal planning, safe handling of food, Chapter 4 : First aid and handling emergency, simple injury, sprain, burns, Chapter 5 : Hygienic care practices especially when handling children in group situations , Employability : ICT skills

**December Test Series: Unit 4-** Chapter 1: Importance of play in development, Chapter 2: Care and practices for birth to 6 months, Chapter 3 : Care and activities for 7 months to 1 years, Chapter 4: Care and activities for 1 year to 3 years , Employability : Entrepreneurship skills , **Unit 5-** Chapter 1: Environment for health and safety, Chapter 2 : Environment for stimulation and learning and **Unit 6-** Chapter 1 : Ways of reaching out to parents and community, Chapter 2 : Essential messages for parents and community- positive discipline, screen time and TV time and healthy feeding, Employability : Green skills .

**Mock Annual Examination** : Full Syllabus

**Final Exam Examination** : Full Syllabus

# ENGINEERING GRAPHICS

## APRIL - MAY

- Letter writing vertical position, construction of lines, angles and their divisions, simple questions based on triangles, squares, regular polygons-pentagon, hexagon & octagon
- Construction of circles external & internal tangents of circles.

## JULY - AUGUST

- Inscribing of circles in equilateral triangle, square, regular polygons-pentagon, hexagon
- Special curves
- Construction of ellipses
- Methods of orthographic Projections and dimensioning techniques
- Methods of orthographic Projections and dimensioning techniques
- Projection of points, lines, regular plane figure
- Construction of square, triangular pentagonal & hexagonal prisms and Pyramids

## SEPTEMBER- OCTOBER

- Orthographic view of Cones, Cylinder & all solids.
- Verticals Pyramid and Prism
- Horizontal solids with axis at right angles to V.P. • Horizontal solids with axis parallel to V.P
- Solids inclined to V.P.
- Solids inclined to H.P
- Frustums of solids

## NOVEMBER-DECEMBER

- Horizontal frustum inclined to V.P.
- Horizontal frustum inclined to H.P.
- Sectional Projections of verticals solid verticals sectioning, horizontal sectioning, oblique sectioning.
- Sectional Projection of solids with axis parallel to V.P.
- Orthographic Projections of Simple machine blocks
- Front view using first angle method of projection
- Construction of isometric scale showing main divisions of 10 mm & smaller divisions of 1 mm each.
- Isometric Projection of figures such as triangles, squares, pentagons, hexagons, circles & its one side should be either parallel to H.P. or V.P. and its one side should be either parallel or Perpendicular to H.P. / V.P.
- Isometric (Projection of solids, Prism, Pyramids or frustums of solid)

## TERM WISE SYLLABUS

<b>July Test Series :</b>	Syllabus as specified in the month (April-May)
<b>Half Yearly Examination:</b>	Syllabus as specified in the month (April-August)
<b>December Test Series:</b>	Syllabus as specified in the month (September – October)
<b>Mock Annual Examination</b>	: Full Syllabus
<b>Final Exam Examination</b>	: Full Syllabus

# ECONOMICS

Course Book : NCERT

Ref. Book: Microeconomics: T.R.Jain (VK Publications) , Statistics for Economics: T.R. Jain (VK Publications)

Practice Manual : Mount Abu Public School, Project : To be covered during the session 2023-24

## APRIL– JULY

<b>Part - A</b>	<b>Introductory Microeconomics</b>
Ch-1	Introduction
Ch-2	Consumer's Equilibrium
<b>Part - B</b>	<b>Statistics for Economics</b>
Ch-1	Economics - An Introduction
Ch-2	Meaning, Scope and Importance of Statistics
Ch-3	Collection of Data
Ch-4	Organization of Data

## AUGUST-SEPTEMBER

<b>Part- A</b>	<b>Introductory Microeconomics</b>
Ch-3	Demand
Ch-4	Elasticity of Demand
Ch-5	Production Function
Ch-9	Supply
<b>Part - B</b>	<b>Statistics for Economics</b>
Ch-5	Tabular Presentation
Ch-6	Diagrammatic Presentation
Ch-7	Graphic Presentation
Ch-8	Measures of Central Tendency - Arithmetic Mean

## OCTOBER-NOVEMBER

<b>Part - A</b>	<b>Introductory Microeconomics</b>
Ch-6	Cost
Ch-7	Revenue
Ch-8	Producer's Equilibrium
<b>Part - B</b>	<b>Statistics for Economics</b>
Ch-9	Measures of Central Tendency - Median & Mode
Ch-10	Measures of Correlation

## DECEMBER-JANUARY

<b>Part - A</b>	<b>Introductory Microeconomics</b>
Ch-10	Forms of Market
Ch- 11	Price Determination with Simple Applications
<b>Part - B</b>	<b>Statistics for Economics</b>
Ch-11	Index Numbers

## TERM WISE SYLLABUS

### July Test Series

#### Part – A Introductory Microeconomics

Ch-1 Introduction, Ch-2Consumer's Equilibrium

#### Part – B Statistics for Economics

Ch-1 Economics - An Introduction, Ch-2 Meaning, Scope and Importance of Statistics, Ch-3 Collection of Data, Ch-4 Organization of Data

### Half-Yearly Exam

#### Part – A Introductory Microeconomics

Ch-1 Introduction, Ch-2Consumer's Equilibrium, Ch-3Demand, Ch-4 Elasticity of Demand , Ch-5 Production Function, Ch-9 Supply

#### Part – B Statistics for Economics

Ch-1 Economics - An Introduction, Ch-2Meaning, Scope and Importance of Statistics, Ch-3Collection of Data, Ch-4Organization of Data, Ch-5Tabular Presentation, Ch-6Diagrammatic



Presentation, Ch-7 Graphic Presentation ,Ch-8 Measures of Central Tendency - Arithmetic Mean

**December Test Series**

**Part – A Introductory Microeconomics**

Ch-6 Cost,Ch-7 Revenue,Ch-8 Producer's Equilibrium,Ch-9 Supply,Ch-10 Forms of Market

**Part – B Statistics for Economics**

Ch-8 Measures of Central Tendency - Arithmetic Mean,Ch-9 Measures of Central Tendency - Median & Mode,Ch-10Measures of Correlation,Ch-11 Index Numbers

**Mock Annual Exam**

: Full Syllabus

**Annual Exam**

: Full syllabus

# ENGLISH

## Prescribed Books:

Hornbill -	Text book in English For Class XI (Core Course) NCERT
Snapshots :	Supplementary Reader in English for class XI (Core course) NCERT
Reference Book	Practice manual

## APRIL- MAY

Hornbill	:	L-1 The Portrait of a Lady P-1 A Photograph
Snapshots	:	L-1 The Summer of the Beautiful White Horse
Grammar	:	Tenses
Writing Skills	:	Poster making, Debate Writing

## JULY-AUGUST

Reading Skill	:	Unseen passage
Hornbill	:	L-2 We are not Afraid to Die... Together P-2 The Laburnum Top , P-3 The Voice of the Rain
Snapshots	:	L-2 The Address
Grammar	:	Error correction, Modals

## SEPTEMBER - OCTOBER

Reading Skill	:	Unseen Comprehension - Passage Note making, Summary
Hornbill	:	L-3 Discovering Tut.... The Saga Continues, L-7 The Adventure P-4 Childhood, P-5 Father To Son
Snapshots	:	L-5 Mother's Day
Grammar	:	Reported Speech , Reordering of sentences
Writing Skill	:	Advertisement, Speech Writing
Reading Skill	:	Note making and summary

## NOVEMBER - DECEMBER

Hornbill	:	L-8 Silk Road
Snapshots	:	L-7 Birth, L-8 the Tale of Melon City
Grammar	:	Active Passive Voice, Editing-Omission Exercises
Writing Skill	:	Advertisement, Debate writing
Reading Skill	:	Unseen Comprehension-, passage Note Making, Summary

## TERM WISE SYLLABUS

### July Test Series

Hornbill	:	L-1 The Portrait of a lady, P-1 A Photograph
Snapshots	:	L-1 The Portrait of a Lady
Grammar	:	Tenses, Reordering of sentences
Writing Skills	:	Poster Making, Debate
Reading Skill	:	Note Making, Summary

### Half-Yearly Exam-

Hornbill	:	L-1 The Portrait of a lady, L2- We are not afraid to die...together, L3 Discovering Tut....The saga continues
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P-1 A Photograph, P2- The Laburnum Top, P4-Childhood

Snapshots : L-1 The Portrait of a lady, L2- We are not afraid to die...together,  
L3 – Discovering Tut....The saga continues

Grammar : Integrated Grammar (Reordering of sentences, Determiners, Tenses, Reported Speech,  
Error correction, Modals)

Writing Skill : Poster making, Classified Advertisements,

Reading Skill : Unseen Comprehension Passage, Note making and Summary

**December Test Series**

Hornbill : L-5 Mother’s Day, L7 – The adventure, P-4 Childhood, P5- Father to son

Snapshots : L3 – Discovering Tut....The saga continues, L-5 Mother's Day

Grammar : Integrated Grammar (Reordering of sentences, Determiners, Tenses, Reported Speech,  
Error correction, Modals)

Writing Skill : Complaint letter, Job application, Advertisement, Speech writing

Reading Skill : Unseen comprehension passage, Note making and summary

**Mock Annual Exam**

Hornbill : Whole syllabus

Snapshots : Whole syllabus

Grammar : All the topics covered

Writing Skill : All the topics mentioned above

Reading Skill : Unseen Comprehension Passage, Note making and summary

**Annual Examination** Whole syllabus

# ENTREPRENUERSHIP

Course Book : NCERT Book

Project: To be covered in session 24-25

## APRIL-MAY

UNIT 1: Entrepreneurship: Concept and Functions

## JULY-AUGUST

UNIT 2: An Entrepreneur

UNIT 3: Entrepreneurial Journey

## SEPTEMBER-OCTOBER

UNIT 4: Entrepreneurship as Innovation and Problem Solving

UNIT 5: Understanding the Market ( 5A AND 5 B)

## NOVEMBER-DECEMBER

UNIT 5: Understanding the Market ( 5C, 5D, AND 5 E)

**UNIT 6:** Business Finance and Arithmetic

UNIT 7: Resource Mobilization

## TERM WISE SYLLABUS

<b>July Test Series:</b>	UNIT 1: Entrepreneurship: Concept and Functions; <b>UNIT 2:</b> An Entrepreneur
<b>Half-Yearly Examination:</b>	UNIT 1: Entrepreneurship: Concept and Functions; <b>UNIT 2:</b> An Entrepreneur; UNIT 3: Entrepreneurial Journey; UNIT 4: Entrepreneurship as Innovation and Problem Solving.
<b>December Test Series</b> :	UNIT 4: Entrepreneurship as Innovation and Problem Solving; UNIT 5: Understanding the Market
<b>Mock Annual Examination</b> :	Whole Syllabus
<b>Annual Examination</b> :	Whole Syllabus

# LEGAL STUDIES

Course Books : Legal Studies, NCERT

## APRIL - MAY

### Unit 1 Introduction to Political Institutions

Chapter 1 : Concept of State

Chapter 2 : Forms and Organs of Government

Chapter 3 : Separation of Powers

### Unit 2 Basic Features of the Constitution of India

Chapter 1 : Salient Features of the Constitution of India

Chapter 2 : Administrative Law

### Unit 3 Jurisprudence, Nature and Sources of Law

Chapter 1 : Jurisprudence, Nature and Meaning of Law

Chapter 2 : Classification of Laws

## JULY – AUGUST

### Unit 3 Jurisprudence, Nature and Sources of Law

Chapter 3 : Sources of Laws

Chapter 4 : Law Reforms

Chapter 5 : Cyber Laws, Safety and Security in India

## SEPTEMBER- OCTOBER

### Unit 4 Judiciary : Constitutional, Civil and Criminal Courts and Processes

Chapter 1 : Judiciary : Constitutional, Civil and Criminal Courts and Processes

## NOVEMBER-DECEMBER

### Unit 5 Family Justice System

Chapter 1 : Institutional Framework - Marriage and Divorce ,Chapter 2 : Child Rights , Chapter 3 : Adoption ,Chapter 4 : Property, Succession and Inheritance , Chapter 5 : Prevention of Violence against Women

## TERM WISE SYLLABUS

### July Test Series

**Unit-1-** Chapter 1 : Concept of State ,Chapter 2 : Forms and Organs of Government, Chapter 3 : Separation of Powers

**Unit 2** -Chapter 1 : Salient Features of the Constitution of India , Chapter 2 : Administrative Law,

### Half Yearly :

**Unit 2** -Chapter 1 : Salient Features of the Constitution of India , Chapter 2 :

Administrative Law, **Unit 3** -Chapter 1 : Jurisprudence, Nature and Meaning of Law, Chapter 2 : Classification of Laws ,-Chapter 3 : Sources of Laws ,Chapter 4 : Law Reforms , Chapter 5 : Cyber Laws, Safety and Security in India

**December Test Series: Unit 4** -Chapter 1 : Judiciary : Constitutional, Civil and Criminal Courts and Processes

**Mock Annual Examination** - Whole Syllabus

**Annual Examination** - Whole Syllabus

# MARKETING

## APRIL-MAY

- UNIT 1 : Introduction to Marketing
- UNIT 1 (ES) : Communication Skills
- UNIT 2 (ES) : Self-Management Skills

## JULY-AUGUST

- UNIT 2 : Marketing Environment
- UNIT 3 : Marketing Segmentation, Targeting and Positioning

## SEPTEMBER- OCTOBER

- UNIT 4 : Fundamental of Marketing Mix
- UNIT 5 : Consumer Behaviour
- UNIT 3 (ES) : ICT

## NOVEMBER - DECEMBER

- UNIT 4 (ES) : Entrepreneurship Skills
- UNIT 5 (ES) : Green Skills

## TERM WISE SYLLABUS

- July Test Series** : UNIT 1 Introduction to marketing, Ch-2 Marketing environment, ES- 1 Communication Skills, ES-2 Self Management Skills
- Half yearly Examination** : UNIT 1 Introduction to marketing, Unit 2- Marketing Environment, Unit-3 Marketing Segmentation, Targeting and Position, ES 1 Communication Skills, ES-2 Self-Management
- December Test Series** : UNIT 4 Fundamental of Marketing, Unit-5 Consumer Behaviour, ES 3 ICT, ES5 green skills
- Mock Annual Examination** : Whole Syllabus
- Annual Examination** : Whole Syllabus

# MATHEMATICS

**Course Book** : Mathematics Text Book NCERT

**Reference Book** : NCERT EXEMPLAR

**Practice Manual** : Mount Abu Public School

## APRIL -MAY

Chapter 1 : Sets

Chapter 2 : Relations and Functions

Chapter 3 : Trigonometric Functions

Chapter 4 : Complex Number

## JULY-AUGUST

Chapter 5 : Linear Inequalities

Chapter 6 : Permutations and Combinations

Chapter 7 : Binomial Theorem

## SEPTEMBER-OCTOBER

Chapter 8 : Sequences and Series

Chapter 9 : Straight Lines

## NOVEMBER- DECEMBER

Chapter 10 : Conic Sections

Chapter 11 : Introduction to Three Dimensional Geometry

Chapter 12 : Limits and Derivatives

Chapter 13 : Probability

Chapter 14 : Statistics

## TERM WISE SYLLABUS

**July Test Series** : Chapter 1; Sets, Chapter 2: Relations and Functions, Chapter 3: Trigonometry, Chapter:4 Complex Number

**Half Yearly Examination**: Chapter 1; Sets, Chapter 2: Relations and Functions, Chapter 3: Trigonometry, Chapter: 4 Complex Number, Chapter 5: Linear Inequalities, Chapter6: Permutations and Combinations, Chapter 7: Binomial Theorem , Chapter8: Sequences and Series

**December Test Series**: Chapter9: Straight Lines, Chapter 10: Conic Sections , Chapter 11: Introduction to Three Dimensional Geometry

**Mock Annual Examination**: Full Syllabus

**Annual Examination** : Full Syllabus



# PHYSICAL EDUCATION

## APRIL-MAY

Unit I Changing Trends & Career in Physical Education

Unit II Olympic Movement

## JULY-AUGUST

Unit III Physical Fitness, Wellness & Lifestyle

Complete Syllabus of 1st Test Series

## SEPTEMBER-OCTOBER

Unit IV Physical Education & Sports for differently abled

Unit V Yoga

Unit VI Physical Activity & Leadership Training

Complete Syllabus of 1st and 2nd test series

## NOVEMBER-DECEMBER

Unit VII Test, Measurement & Evaluation

Unit VIII Fundamental of Anatomy, Physiology & kinesiology

Unit IX & X Psychology in Sports Training in Sports

## TERM WISE SYLLABUS

**July Test Series:** AAPHERD Youth Fitness Test

**December Test Series:** Games/Sports, Yoga Project File

**Annual Exam** Team Event, Athletics

**Mock Annual Examination :** Complete Syllabus

**Annual Examination :** Complete Syllabus

# PHYSICS

Course Book	:	N.C.E.R.T.
Reference Book	:	Physics (Pradeep Publication), Simplified Physics by S.L. Arora
Practice Manual	:	Mount Abu Public School
Comprehensive	:	Laxmi Publication

## APRIL - MAY

CHAPTER 1	:	Unit and dimensions
CHAPTER 2	:	Motion in a straight line
CHAPTER 3	:	Motion in a Plane
CHAPTER 4	:	Laws of motion

## JULY - AUGUST

CHAPTER 4	:	Laws of motion (Continued)
CHAPTER 5	:	Work, Energy and power
CHAPTER 6	:	System of rotational particles
CHAPTER 7	:	Gravitation

## SEPTEMBER - OCTOBER

CHAPTER 8	:	Properties of bulk matter: SOLIDS
CHAPTER 9	:	Properties of matter fluids
CHAPTER 10	:	Thermal properties of matter

## NOVEMBER – DECEMBER

CHAPTER 11	:	Thermodynamics
CHAPTER 13	:	Oscillations
CHAPTER 12	:	Kinetic theory of gases
CHAPTER 14	:	Waves

## TERM WISE SYLLABUS

**July Test Series :** CHAPTER 1: Unit and dimensions, CHAPTER 2: Motion in a straight line, CHAPTER 3: Motion in a Plane

**Half-Yearly Exam :** CHAPTER 1: Unit and dimensions, CHAPTER 2: Motion in a straight line, CHAPTER 3: Motion in a Plane, CHAPTER 4: Laws of motion, CHAPTER 5: Work, Energy and power, CHAPTER 6: System of rotational particles

**December Test Series :** CHAPTER 7: Gravitation, CHAPTER 8: Properties of bulk matter: SOLIDS, CHAPTER 9: Properties of matter fluids

**Mock annual Examination :** Full syllabus

**Annual Examination :** Full syllabus

# POLITICAL SCIENCE

Course Book : Political Science NCERT : Book -1 Indian Constitution at Work Book -2 Political Theory  
Ref. Book : School Practice Manual

## APRIL-MAY

### Book-Indian Constitution at Work

- L-1 Making of the Constitution
- L-9 Constitution as a living document
- L-10 Philosophy of the Constitution
- L-2 Fundamental Rights
- L-3 Election and Representation

## JULY-AUGUST

### Book-Political Theory :

- L-1 Political Theory
- L-2 Freedom
- L-3 Equality

### Book-Indian Constitution at Work

- L-4 Executive in Parliamentary System
- L-5 Legislature at the central and state level
- L-6 Judiciary

## SEPTEMBER-OCTOBER

### Book-Indian Constitution at Work

- L-7 Federalism
- L-8 Local Government

### Book-Political Theory

- L-4 Social Justice
- L-5 Rights

## NOVEMBER-DECEMBER

- L-6 Citizenship
- L-7 Nationalism
- L-8 Secularism

## TERM WISE SYLLABUS

**July Test Series:** Indian Constitution at work: L-1 Making of the Constitution, L-9 Constitution as a living document, L-10 Philosophy of the Constitution ,L-2 Fundamental Rights

**Half-Yearly Examination:** : L-1 Political Theory ,L-2 Freedom, L-3 Equality

Political Theory

Indian Constitution at Work : L-1 Making of the Constitution, L-9 Constitution as a living document,L-10 Philosophy of the Constitution,L-2 Fundamental Rights L-3 Election and Representation, L-4 Executive in Parliamentary System,L-5 Legislature at the central and state level

**December Test Series** : Political Theory L-4 Social Justice, L-5, Rights L-6 Citizenship, L-7 Nationalism L-8 Secularism

**Mock Annual Examination** : Whole Syllabus

**Annual Examination** : Whole Syllabus

# PSYCHOLOGY

TEXT BOOK: NCERT

Ref. Book: School Practice Manual

## APRIL-MAY

- CHAPTER 1 : What is Psychology?  
CHAPTER 2 : Methods of Enquiry in Psychology

## JULY-AUGUST

- CHAPTER 3 : Human Development  
CHAPTER 4 : Sensory, Attentional and Perceptual Processes

## SEPTEMBER-OCTOBER

- CHAPTER 5 : Learning  
CHAPTER 6 : Human Memory

## NOVEMBER- DECEMBER

- CHAPTER 7 : Thinking  
CHAPTER 8 : Motivation and Emotion

## PRACTICALS

- Development of case profile
- Experiment 1

## TERM WISE SYLLABUS

- July Test Series : CH2- Methods of Enquiry, Ch-3 Human Development
- Half yearly Examination : Ch-1 What is Psychology, Ch-2 Methods of Enquiry, Ch-3 Human Development  
Ch-4 Sensory Attention and Perceptual Process, Ch-5 Learning, Practical –  
Survey file
- December Test Series :Ch 6- Human Memory, Ch7- Thinking, Ch8- Motivation and Emotion
- Mock Annual Examination : Whole Syllabus  
Practicals -1 Experiments
- Annual Exam : Whole Syllabus, Practicals - 2 Experiments

# YOGA

Text Book : **YOGA BOOK**

## **APRIL-MAY**

Subject Yoga Skills

Unit 1 : Introduction to Yoga and Yogic Practices- I

Unit 2 : Introduction to Yoga Texts- I

Employability Skills

Unit 1 : Communication Skills -III

Unit 2 : Self-Management Skills - III

## **JULY – AUGUST**

Subject YOGA Skills

Unit 1 : Introduction to Yoga and Yogic Practices- I

Unit 2 : Introduction to Yoga Texts- I

Employability Skills

Unit 2 : Self-Management Skills -III

Unit 3 : ICT Skills -III

## **SEPTEMBER - OCTOBER**

Subject YOGA Skills

Unit 2 : Introduction to Yoga Texts- I

Unit 3 : Yoga for Health Promotion- I

Employability Skills

## **NOVEMBER-DECEMBER**

Unit 3 : ICT Skills -III

Unit 4 : Entrepreneurial Skills -III

Unit 5 Green skill -III

### **Term wise Syllabus**

**May Test Series** : Subject YOGA Skills: Unit:1 Introduction to Yoga and Yogic Practices- I Unit 2 : Introduction to Yoga Texts I

Employability Skills: Unit 1 : Communication Skills -III, Unit 2 : Self-Management Skills-III

**August Test series**: Unit 2: Introduction to yoga text- I, Unit 3 : Yoga for Health Promotion -I

Employability Skills: Unit 3 : ICT Skills-III, Unit 4 : Entrepreneurial Skills -III, Unit 5: Green skills -III

**July Test Series** : Yoga book- Unit -1, Unit-2 Employability skills: Unit -1, Unit -2

**Half Yearly Examination**: Subject YOGA Skills Unit 1, Unit 2 , Employability Skills Unit 1 ,Unit 2 , Unit -3

**December Test Series**: Subject YOGA Skills: Unit -1, Unit -2, Unit -3. Employability skills: Unit -3, Unit -4, Unit -5

**Mock Annual:** Full syllabus

**Final Annual :** Full syllabus

# ATL CURRICULUM

Sr.No.	DIY Kit / Platform used	Activity / Project Name	Activity/Project Details or Coverage	Inter-Disciplinary Learning Outcome around STEM
1	STEM/ Robotics Introduction	STEM/ Robotics Introduction	<ul style="list-style-type: none"> <li>•What is STEM Education?</li> <li>•What is Robotics?</li> <li>• What can robots do?</li> <li>• What can't robots do?</li> <li>• How are robots useful?</li> <li>• How robots are different from machine?</li> </ul>	<ul style="list-style-type: none"> <li>•To understand how technology will impact the workforce.</li> </ul>
2	Arduino	controller Introduction	<ul style="list-style-type: none"> <li>•Introduction to controller and basics of electronic components</li> </ul>	<ul style="list-style-type: none"> <li>• Electronics basics.</li> <li>• What is sensor.</li> <li>• What is controller and how to use it</li> <li>• Brainstoring on Design &amp; Construction</li> </ul>
3	Arduino	Glow an LED	<ul style="list-style-type: none"> <li>•Introduction to LEDs</li> <li>•How to Connect LEDs</li> <li>•LED glowing circuit on controller</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to Circuit Designing</li> <li>• Build a Circuit</li> <li>• Coding Skills</li> </ul>
4	Arduino	Diwali Lights	<ul style="list-style-type: none"> <li>•Controlling multiple LEDs in different pattern</li> </ul>	<ul style="list-style-type: none"> <li>• Analysing the colors and patterns</li> <li>• Coding Skills</li> </ul>
5	Arduino	Switching On/Off LED Using Push Button	<ul style="list-style-type: none"> <li>•What is Push Button</li> <li>•How to interface a Push Button with the controller</li> <li>•Controlling an LED using a Push Button</li> </ul>	<ul style="list-style-type: none"> <li>• Idea Generation</li> <li>• Coding Skills</li> </ul>
6	Arduino	RGB Disco Light	<ul style="list-style-type: none"> <li>•Introduction to RGB LED and its circuit on breadboard</li> <li>•How RGB LED is different from simple LED</li> </ul>	<ul style="list-style-type: none"> <li>• Idea Generation</li> <li>• Coding Skills</li> </ul>
7	Arduino	Intruder Alarm	<ul style="list-style-type: none"> <li>•Introduction to IR Sensor</li> <li>•Introduction to Buzzer</li> <li>•IR Sensor controlled Buzzer activity</li> </ul>	<ul style="list-style-type: none"> <li>• Solve Real World Problems</li> <li>• Decision Making</li> <li>• Coding Skills</li> </ul>
8	Arduino	Seven Segment Display	<ul style="list-style-type: none"> <li>•Introduction to Seven Segment Display and its circuit</li> <li>•What are the real time applications of seven segment display?</li> <li>• Difference between Common Cathode and Common Anode</li> </ul>	<ul style="list-style-type: none"> <li>• Idea Generation</li> <li>• Coding Skills</li> </ul>
9	Arduino	Servo Motor Control	<ul style="list-style-type: none"> <li>•What is a Servo Motor</li> <li>•How does a Servo Motor works</li> <li>•How to control a Servo &amp; move it to a particular angel using controller</li> </ul>	<ul style="list-style-type: none"> <li>• Idea Generation</li> <li>• Coding Skills</li> </ul>

10	Arduino	Automatic Street Light	<ul style="list-style-type: none"> <li>•Introduction to LDR Sensor</li> <li>•How we can control electronic devices using LDR sensor</li> </ul>	<ul style="list-style-type: none"> <li>• Decision Making</li> <li>• Ability to identify and solve complex problems</li> <li>• Coding Skills</li> </ul>
11	Arduino	Color Sorter (Black and White)	<ul style="list-style-type: none"> <li>•How to differentiate between colors using an IR Sensor</li> <li>•How to sort materials using an IR sensor and moving items using servo motor</li> </ul>	<ul style="list-style-type: none"> <li>• Analysing the colors and patterns</li> <li>• Understand STA (Sense - Think - Act) Concept</li> <li>• Coding Skills</li> </ul>
12	Arduino	LED Brightness Control	<ul style="list-style-type: none"> <li>•Concept of PWM pins and their working</li> <li>•Changing the colour and brightness of the LED or RGB</li> </ul>	<ul style="list-style-type: none"> <li>• Analysing the colors and patterns</li> <li>• Coding Skills</li> </ul>
13	Pick & Place Robot	Bluetooth controlled Movement	Programming Arduino to move forward, backward, left and right. Controlling tank using mobile phone.	<ul style="list-style-type: none"> <li>• Arduino Programming.</li> <li>• Moving DC motors.</li> <li>• Problem solving and project skills.</li> </ul>
14	Pick & Place Robot	ARM movement	Programming arm to move in 2 direction of freedom, UP, down and left and right. Controlling tank using mobile phone.	<ul style="list-style-type: none"> <li>• Arduino Programming.</li> <li>• Moving DC motors.</li> <li>• Problem solving and project skills.</li> </ul>
15	Pick & Place Robot	Open and close claw	Program claw to open and close. Controlling tank using mobile phone.	<ul style="list-style-type: none"> <li>• Arduino Programming.</li> <li>• Moving DC motors.</li> <li>• Problem solving and project skills.</li> </ul>
16	Pick & Place Robot	Final code compilation	Combine all codes and conditions together to form pick and place robot.	<ul style="list-style-type: none"> <li>• Arduino Programming.</li> <li>• Moving DC motors.</li> <li>• Problem solving and project skills.</li> </ul>
17	3D designing	Introduction of 3D Designing	<ul style="list-style-type: none"> <li>• Difference between 2D and 3D shapes.</li> <li>Understanding about workplane, viewcube, solid and hollow shapes.</li> </ul>	<ul style="list-style-type: none"> <li>• Constructive Building</li> <li>• Design thinking</li> <li>• Angles, Shapes, Concept of Geometry.</li> </ul>
18	3D designing	TinkerCad: Different features and their uses	<ul style="list-style-type: none"> <li>• Learning about how to change sides of a shape, bevel, rounded, group, ungroup and alignment of shapes.</li> </ul>	<ul style="list-style-type: none"> <li>• Constructive Building</li> <li>• Design thinking</li> <li>• Angles, Shapes, Concept of Geometry.</li> </ul>
19	3D designing	Ludo Dice	<ul style="list-style-type: none"> <li>• How to work on multiple planes. Adding and removing work planes.</li> </ul>	<ul style="list-style-type: none"> <li>• Constructive Building</li> <li>• Design thinking</li> <li>• Angles, Shapes, Concept of Geometry.</li> </ul>
20	3D designing	How to make Hollow/ Shell Objects?	<ul style="list-style-type: none"> <li>• Make a pen stand or box with lid to understand how to make cavity inside boxes.</li> <li>• Grouping and alignment of shapes.</li> </ul>	<ul style="list-style-type: none"> <li>• Constructive Building</li> <li>• Design thinking</li> <li>• Angles, Shapes, Concept of Geometry.</li> </ul>

21	3D designing	How to make Monument?	<ul style="list-style-type: none"> <li>• Designing Leaning tower of pisa structure.</li> <li>• How to make windows, pillars and gates.</li> </ul>	<ul style="list-style-type: none"> <li>• Constructive Building</li> <li>• Design thinking</li> <li>• Angles, Shapes, Concept of Geometry.</li> </ul>
22	3D designing	Creating a House	<ul style="list-style-type: none"> <li>• Make your own home structure.</li> </ul>	<ul style="list-style-type: none"> <li>• Constructive Building</li> <li>• Design thinking</li> <li>• Angles, Shapes, Concept of Geometry.</li> </ul>
23	3D designing	How to turn 2D Object into 3D Object?	<ul style="list-style-type: none"> <li>• Learning the process to make 2D shapes into 3D shapes...</li> </ul>	<ul style="list-style-type: none"> <li>• Constructive Building</li> <li>• Design thinking</li> <li>• Angles, Shapes, Concept of Geometry.</li> </ul>
24	3D designing	How to bevel and round edges?	<ul style="list-style-type: none"> <li>• How we can change shapes by changing the round and edges measure.</li> </ul>	<ul style="list-style-type: none"> <li>• Constructive Building</li> <li>• Design thinking</li> <li>• Angles, Shapes, Concept of Geometry.</li> </ul>
25	3D designing	How to use scribble Tool?	<ul style="list-style-type: none"> <li>• Drawing 3D shapes free handed and adding into final model like handle of cup.</li> </ul>	<ul style="list-style-type: none"> <li>• Constructive Building</li> <li>• Design thinking</li> <li>• Angles, Shapes, Concept of Geometry.</li> </ul>
<b>Exhibition</b>				



# VOCAL MUSIC

- |                  |  |
|------------------|--|
| <b>April</b>     | <ul style="list-style-type: none"><li>• School Song</li><li>• Hindi Prayer ( Ek Tu Hi Bharosa )</li><li>• Baisakhi Celebration</li><li>• Motivational Song</li></ul>   |
| <b>May</b>       | <ul style="list-style-type: none"><li>• Environmental Song</li><li>• Guru Purnima Celebration</li><li>• Definition of Music ( Rhythm, Beat, Tempo )</li></ul>  |
| <b>July</b>      | <ul style="list-style-type: none"><li>• Environmental Song</li><li>• Guru Purnima Celebration</li><li>• Definition of Music ( Rhythm, Beat, Tempo )</li></ul>  |
| <b>August</b>    | <ul style="list-style-type: none"><li>• Independence Day Celebration</li><li>• Raksha Bandhan Celebration</li><li>• Janmashtami Celebration</li></ul>  |
| <b>September</b> | <ul style="list-style-type: none"><li>• Hindi Prayer ( He Prabhu Aanand Data )</li><li>• Ganesh Chaturthi Celebration</li><li>• National Song ( Vande Matram – 1 &amp; 2 )</li><li>• Half Yearly Examination</li></ul> |
| <b>October</b>   | <ul style="list-style-type: none"><li>• Gandhi Jayanti Celebration</li><li>• Dussehra Celebration</li><li>• National Song ( Vande Matram – 3 &amp; 4 )</li></ul>   |
| <b>November</b>  | <ul style="list-style-type: none"><li>• Diwali Celebration</li><li>• Children’s Day Celebration</li><li>• Guru Nanak Jayanti Celebration</li><li>• Raag Yaman Sargam Geet</li></ul>                                    |
| <b>December</b>  | <ul style="list-style-type: none"><li>• Christmas Celebration</li><li>• Alankaars 1 to 6</li><li>• Inspirational Song</li></ul>  |
| <b>January</b>   | <ul style="list-style-type: none"><li>• Republic Day Celebration</li><li>• Lohri Celebration</li><li>• Raag Bhopali Sargam Geet</li></ul>  |
| <b>February</b>  | <ul style="list-style-type: none"><li>• Basant Panchami Celebration</li><li>• Shivratri Celebration</li><li>• Annual Assessment</li></ul>  |

# DANCE

## **APRIL & MAY**

- Introduction of Hip Hop And Freestyle Dance
- Sense of Rhythm
- Understanding Hand And Leg Movement

## **JULY AND AUGUST**

- Hip Hop Dance
- Knowledge of Hip Hop Dance
- Practice of Foundational Steps

## **SEPTEMBER AND OCTOBER**

- Introduction of Contemporary Dance
- Introduction to Body Flow And Steps
- Body Movement And Flexibility

## **NOVEMBER AND DECEMBER**

- Introduction of Jazz Dance
- Knowledge of Jazz Dance
- Sense of Rhythm
- Training of Foundational Steps
- Practice of Jazz Dance

## **JANUARY AND FEBRUARY**

- Introduction of Freestyle And Gymnastics
- Training Body For Flexibility And Endurance
- Freestyle Body Movement
- Practice of Gymnastics Moves

# VISION 21st Century

Redefining The Future

*Together building a community of  
"Future Ready Global Citizens"*

## 21<sup>ST</sup> CENTURY SKILLS :

A framework for success in life

## COGNITIVE DEVELOPMENT :

The science of knowing and the art learning

## EXCELLENCE IN ALL WE DO,

## AND ALL WE ARE :

Opening up a world of opportunity

## GLOBAL CITIZENSHIP :

Together for sustainable future



**Mount Abu Public School**

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