



Mount Abu Public School

Sector 5, Rohini, New Delhi - 110085



CLASS - XII

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!

INDEX

S.NO	SUBJECT	PAGE NUMBER
1	ACCOUNTANCY	4
2	APPLIED MATHEMATICS	5
3	ARTIFICIAL INTELLIGENCE	6
4	BIOLOGY	7
5	BUSINESS STUDIES	8
6	CHEMISTRY	9
7	COMPUTER SCIENCE	10
8	COMMERCIAL ART	11
9	DATA SCIENCE	12
10	ECCE	13
11	ECONOMICS	14
12	ENGG. GRAPHICS	16
13	ENGLISH	17
14	ENTREPRENEURSHIP	18
15	LEGAL STUDIES	19
16	MARKETING	20
17	MATHEMATICS	21
18	PHYSICAL EDUCATION	22
19	PHYSICS	23
20	POLITICAL SCIENCE	24
21	PSYCHOLOGY	25
22	YOGA	26
23	ATL CURRICULUM	27
24	VOCAL MUSIC	31
25	DANCE	32

ACCOUNTANCY

Course book : NCERT

Reference book : T.S Grewal, Practice Manual

Project : To be covered during the session 2024-25

MARCH-MAY

- PART-B** Financial Statement Analysis
- Ch. 1 Financial Statement
 - Ch. 2 Financial Statement Analysis
 - Ch. 3 Comparative Statement and Common Size
 - Ch.4 Accounting Ratios
 - Ch. 5 Cash flow statement

JULY-AUGUST

PART-A

- Unit 1** Accounting for Partnership Firm
- Ch. 1 Accounting for Partnership Firms
 - Ch. 2 Goodwill : Nature & Valuation
 - Ch. 3 Change in profit sharing ratio among the existing partners
 - Ch. 4 Admission of a partner
 - Ch. 5 Retirement/ Death of a partner
 - Ch. 6 Dissolution of a Partnership firm

SEPTEMBER-OCTOBER

PART-A

- Unit 3** Accounting for Companies
- Ch. 1 Accounting for Share Capital
 - Ch. 2 Issue of Debentures

Term wise Syllabus

May Test Series : Financial Statement; Financial Statement Analysis; Comparative Statement and Common Size; Accounting Ratios; Cash flow statement

July-Aug. Test Series: Accounting for Partnership Firms; Valuation of Goodwill : Nature & Valuation; Change in profit sharing ratio among the existing partners; Financial Statement; Financial Statement Analysis; Comparative Statement and Common Size; Accounting Ratios; Cash flow statement.

Half yearly Exam: Accounting for Partnership Firms; Valuation of Goodwill : Nature & Valuation; Change in profit sharing ratio among the existing partners; Admission of a partner; Retirement/ Death of a partner; Dissolution of a Partnership firm; Financial Statement; Financial Statement Analysis; Comparative Statement and Common Size; Accounting Ratios; Cash flow statement

Mock Pre-Board: Full Syllabus

Pre-Board : Full Syllabus

APPLIED MATHEMATICS

Course Book: NCERT SUPPLEMENT, APC (Applied Mathematics)

Reference Book: School Practice Manual

MARCH - MAY

CHAPTER3: Matrices

CHAPTER4: Determinants

CHAPTER1: Numbers, Quantification and Numerical Applications

CHAPTER2: Numerical Inequalities

CHAPTER5: Differentiation

JULY-AUGUST

CHAPTER6: Applications of Derivatives

CHAPTER7: Integration

CHAPTER8: Differential Equations

CHAPTER9: Probability

CHAPTER15: Linear Programming

SEPTEMBER –OCTOBER

CHAPTER10: Inferential Statistics

CHAPTER11: Index Numbers and Time -based Data

CHAPTER12: Perpetuity, Sinking Funds, Bonds and EMI

CHAPTER13: Stock, Shares and Debentures

CHAPTER14: Returns, Growth and Depreciation

Term Wise Syllabus

May Test Series: CHAPTER 1: Numbers, Quantification and Numerical Applications, CHAPTER 2: Numerical Inequalities, CHAPTER 3: Matrices, CHAPTER 4: Determinants

July Test Series: CHAPTER 1: Numbers, Quantification and Numerical Applications, CHAPTER2: Numerical Inequalities, CHAPTER 3: Matrices, CHAPTER 4: Determinants, CHAPTER 5: Differentiation, CHAPTER 6: Applications of Derivatives, CHAPTER 7: Integration Half Yearly Exam: CHAPTER 1: Numbers, Quantification and Numerical Applications, CHAPTER 2: Numerical Inequalities, CHAPTER 3: Matrices, CHAPTER 4: Determinants, CHAPTER 5: Differentiation, CHAPTER 6: Applications of Derivatives, CHAPTER 7: Integration, CHAPTER 8: Differential Equations, CHAPTER 9: Probability, CHAPTER 15: Linear Programming

Mock Pre Board: Entire Syllabus with Practical

Pre Board: Entire Syllabus with Practical

ARTIFICIAL INTELLIGENCE

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

March – May

Subject Specific Skills

Unit 1 : Capstone Project

Unit : Revision Tour of Grade XI

Employability Skills

Unit 1 : Communication Skills -IV

Unit 2 : Self-Management Skills -IV

July – August

Subject Specific Skills

Unit 2 : Model Lifecycle

Employability Skills

Unit 3 : ICT Skills -IV

September - October

Employability Skills

Unit 3 : Story Telling Through Data

Unit 4 : Entrepreneurial Skills -IV

Unit 5 : Green Skills -IV

Term wise Syllabus

May Test Series:

Unit 1: Capstone Project, Unit 1 : Communication Skills -IV,
Unit Revision Tour of Grade XI

July-Aug Test Series:

Unit 2: Model Lifecycle, Unit 2 : Self-Management Skills -IV

Half Yearly Examination:

Capstone Project, Model Lifecycle, ICT Skills -IV

Mock Pre Board:

Entire Syllabus with Practical

Pre Board:

Entire Syllabus with Practical

BIOLOGY

Biology Text Book NCERT : Practice Manual (School)

MARCH-MAY

- Chapter 1 : Sexual Reproduction in Plants
Chapter 2 : Human Reproduction
Chapter 3 : Reproductive Health
Chapter 4 : Principles of Inheritance and Variation
Chapter 5 : Molecular Basis Of Inheritance

JULY-AUGUST

- Chapter 6 : Evolution
Chapter 12 : Ecosystem (DELETED ECOLOGICAL SUCCESSION AND NUTRIENT CYCLES)
Chapter 13 : Biodiversity
Chapter 11 : Organisms and Population

SEPTEMBER-NOVEMBER

- Chapter 8 : Microbes in Human Welfare
Chapter 7 : Human health & disease
Chapter 9 : Biotechnology-Principle and Procedure
Chapter 10 : Biotechnology and its application

Term Wise Syllabus

May Test Series: Chapter 1 Sexual Reproduction in Plants, Chapter 2 Human Reproduction, Chapter 3 Reproductive Health

July-Aug. Test Series: Chapters 4 Principles of Inheritance and Variation, Chapter 5 Molecular Basis of Inheritance, Chapter 1 Sexual Reproduction in Plants, Chapter 2 Human Reproduction Chapter 3 Reproductive Health Chapter 6 Evolution,

Half-Yearly Exam: Chapter 1 Sexual Reproduction in Plants, Chapter 2 Human Reproduction, Chapter 3 Reproductive Health, Chapters 4 Principles of Inheritance and Variation, Chapter 5 Molecular Basis of Inheritance, Chapter 6 Evolution Chapter 12 Ecosystem (DELETED ECOLOGICAL SUCCESSION AND NUTRIENT CYCLES) Chapter 13 Biodiversity Chapter 11 Organisms and Population,

Mock Pre Board : Full Syllabus.

Pre Board : 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**

MARCH – 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

Chapter 4 : Planning

Chapter 8 : Controlling

SEPTEMBER –OCTOBER

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 Pre board :Full Syllabus

Pre Board :Full syllabus

CHEMISTRY

Course Book : NCERT Textbook (Part I and II)

Reference Book : Modern ABC, MTG Question bank, School Practice Manual

Practical Book: NCERT Microchemistry, Lab Manual, Comprehensive (Laxmi Publication)

MARCH - MAY

Theory :

Chapter 6 : Haloalkanes and Haloarenes

Chapter 7 : Alcohol, phenol and ethers

Chapter 1 : Solutions

Qualitative Analysis

1. Prepare 250 ml of M/20 of Mohr's salt.
2. Using above solution find out the molarity and strength of given KMnO_4 solution.
3. Prepare 250 ml of M/20 of oxalic acid.
4. Using above solution find out the molarity and strength of given KMnO_4 solution.
5. Separation of pigments from extract of red & blue ink by paper chromatography and determination of Rf value.
6. To prepare starch sol & ferric hydroxide sols.
7. Investigatory project.

JULY - AUGUST

Theory :

Chapter 8 : Aldehydes, ketones and carboxylic acid

Chapter 3 : Chemical kinetics

Chapter 10 : Biomolecules

Chapter-2 : Electrochemistry

Practical :

1. Identify the given functional group present in organic sample.
a) Alcohol b) Aldehyde c) Ketone d) Phenol e) Carboxylic acid f) Amine
2. To detect the presence of carbohydrates, fats, proteins in following foodstuffs :
a) Grapes b) Potato c) Rice d) Biscuits e) Milk f) Butter
3. Effect of concentration and temperature on the rate of reaction between sodium thiosulphate and hydrochloric acid.

SEPTEMBER - OCTOBER

Theory :

Chapter 9 : Amines

Chapter 4 : d & f block elements

Chapter 5 : Coordination compounds

Practical :

1. Determination of one cation and one anion in given salt Cations : NH_4^+ , Pb^{2+} , Cu^{2+} , Al^{3+} , Fe^{3+} , Zn^{2+} , Ca^{2+} , Ba^{2+} , Sr^{2+} , Mg^{2+}
Anion : CO_3^{2-} , NO_3^- , I^- , Cl^- , Br^- , CH_3COO^- , $\text{C}_2\text{O}_4^{2-}$, SO_4^{2-} , PO_4^{3-}

Term Wise Syllabus

May Test Series : Ch - 6, 7, 1

July-Aug. Test Series : Ch- 3, 8, 10

Half-Yearly Exam : Ch 1 to 3 and Ch – 6-10

Mock Pre-Board : Full syllabus

Pre-Board Exam : Full syllabus

COMPUTER SCIENCE

Text Book : NCERT , Computer Science by Sumita Arora

March – May

- Ch – 11 : Relational Database
- Ch – 12 : Simple Queries in MySQL
- Ch – 13 : Table Creation and data Manipulation Commands
- Ch – 14 : Grouping Records, Joins in SQL
- Ch -1 : Python Revision Tour -I
- Ch- 2: Python Revision Tour -II

July – August

- Ch –3 : Working with functions
- Ch – 4 : Using Python Libraries
- Ch – 5 : File Handling

September - October

- Ch – 10: Communication and Network Concepts
- Ch – 8 : Data Structure -I Linear List
- Ch – 9 : Data Structure- II: Stacks
- Ch – 15: Interface Python with MySql

Term wise Syllabus

May Test Series: Ch- 11 Relational Database, Ch-12 Simple Queries in MySQL, Ch-13 Table Creation and data Manipulation Commands ,Ch-14 Grouping Records, Joins in SQL, Ch-1 Python Revision Tour -I ,Ch-2 Python Revision Tour -II

July-Aug Test Series: Ch- 3 Working with functions ,Ch-4 Using Python Libraries, Ch-5 File Handling

Half Yearly Examination: Ch-1 Python Revision Tour –I, Ch-2 Python Revision Tour –II, Ch-3 Working with functions, Ch-4 Using Python Libraries, Ch – 5 File Handling, , Ch- 11 Relational Database, Ch-12 Simple Queries in MySQL, Ch-13 Table Creation and data Manipulation Commands ,Ch-14 Grouping Records, Joins in SQL

Mock Pre Board: **Entire Syllabus with Practical**

Pre Board: **Entire Syllabus with Practical**

COMMERCIAL ART

Text Book : An introduction of Indian art. part- 2

MARCH – MAY

Subject theory

Unit 1 : Six Limbs of Indian Art

Practical : illustration (family & friends in daily life, games, nature)

JULY – AUGUST

Theory : Unit -2(the Mughal and deccan schools of miniature paintings)

Practical : layout & lettering, human composition, folk art

SEPTEMBER - OCTOBER

Theory : Unit -3 (the Bengal school of painting and the modern trends in indian art)

Practical : folk art, excursion , ideas- social, national issues, commercial products

TERM WISE SYLLABUS

May Test Series:

Unit 1 : Rajasthani & Pahari school of art

Aug Test Series:

Unit -2 : Mughal and deccan school of painting

Half Yearly Examination: theory Unit : 1 Rajasthani & Pahari School Of Painting

Unit -2 Mughal & Deccan School Of Painting

Mock pre board :

Entire syllabus

Pre board :

Entire syllabus

DATA SCIENCE

Text Book : Study material from CBSE

MARCH – MAY

Subject Specific Skills

Unit 1 : Data Governance

Unit 2 : Exploratory Data Analysis

Employability Skills

Unit 1 : Communication Skills -IV

Unit 2 : Self-Management Skills -IV

JULY – AUGUST

Subject Specific Skills

Unit 3: Classification Algorithms - I

Unit 4: Classification Algorithms - II

Employability Skills

Unit 3 : ICT Skills

SEPTEMBER - OCTOBER

Subject Specific Skills

Unit 5 : Regression Algorithms - I

Unit 6 : Regression Algorithms - II

Unit 7 : Unsupervised Learning

Employability Skills

Unit 4 : Entrepreneurial Skills

Unit 5 : Green Skills

Term wise Syllabus

May Test Series: Unit 1 : Data Governance, Unit 2 : Exploratory Data Analysis,
Unit 1 : Communication Skills -IV

Aug Test Series: Unit 3: Classification Algorithms – I, Unit 4 : Classification Algorithms – II,
Unit 2 : Self-Management Skills -IV

Half Yearly Examination: Unit 1 : Data Governance , Unit 2: Exploratory Data Analysis,
Unit 3: Classification Algorithms - I
Unit 4 : Classification Algorithms – II, Unit 1 : Communication Skills -IV,
Unit 2 : Self-Management Skills -IV

Mock Pre Board: Entire Syllabus

Pre Board: Entire 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: Foundations of Child Development

Chapter 1 : Relationship between play, learning and development

Chapter 2 : Needs of the child

Chapter 3 : Sensory, physical and motor development milestones

Chapter 4 : Cognitive Development

Employability : Communication skills

JUNE-JULY

UNIT 1: Foundations of Child Development

Chapter 5 : Language Development

Chapter 6 : Socio-emotional Development

UNIT 2: Educational thought of key theorists and pioneers

Chapter 1 : Froebel

Chapter 2 : Maria Montessorri

Chapter 3 : Gandhi

Chapter 4 : Rabindra Nath Tagore

Chapter 5 : Aurobindo

Employability : Self Management skills

AUGUST-SEPTEMBER

UNIT 2: Educational thought of key theorists and pioneers

Chapter 6 : Malaguzzi(Regio Emilia)

Chapter 7 : Gijubhai

Chapter 8 : Tarabai Modak

UNIT 3: Developmentally appropriate activities for holistic development

Chapter 1 : Early language and literacy pyramid

Chapter 2 : Cognition and Early Numeracy

Chapter 3 : The world around us

Chapter 4 : Art and Aesthetics

Chapter 5 : Creating Inclusive learning Environments

Employability : ICT skills

OCTOBER-NOVEMBER

UNIT 4: Fostering Socio-emotional Competence in Children

Chapter 1 : Developing empathy and Respect

Chapter 2 : Managing emotions

Chapter 3 : Role of parents, family and community

Employability : Entrepreneurship skills

DECEMBER

UNIT 5: Creating Conducive Learning Environment

Chapter 1 : Arranging Space for learning

Chapter 2 : Designing Safe Environment

Chapter 3 : A day at a Pre-School

Employability : Green skills

Term Wise Syllabus

May Test Series : Unit 1- Chapter 1: Relationship between play, learning and development , Chapter 2 : Needs of the child , Chapter 3: Sensory, physical and motor development milestones ,Chapter 4: Cognitive Development

July Test Series : Unit 1- Chapter 1: Relationship between play, learning and development , Chapter 2 : Needs of the child , Chapter 3: Sensory, physical and motor development milestones ,Chapter 4: Cognitive Development, Chapter 5: Language Development , Chapter 6: Socio-emotional Development and Unit 2- Chapter 1: Froebel, Chapter 2: Maria Montessorrie, Chapter 3 : Gandhi , Chapter 4 : Rabindra Nath Tagore, Chapter 5 : Aurobindo, **Employability : Self Management skills**

Half Yearly Examination : Unit 1- Chapter 1: Relationship between play, learning and development , Chapter 2 : Needs of the child , Chapter 3: Sensory, physical and motor development milestones ,Chapter 4: Cognitive Development, Chapter 5: Language Development ,Chapter 6: Socio-emotional Development and Unit 2- Chapter 1: Froebel, Chapter 2 : Maria Montessorrie, Chapter 3 : Gandhi , Chapter 4 : Rabindra Nath Tagore, Chapter 5 : Aurobindo, **Employability : Self Management skills**, Chapter 6 : Malaguzzi(Regio Emilia), Chapter 7 : Gijubhai , Chapter 8 : Tarabai Modak,

December Test Series : Unit 3- Chapter 1 : Early language and literacy pyramid, Chapter 2: Cognition and Early Numeracy ,Chapter 3 : The world around us , Chapter 4 : Art and Aesthetics , Chapter 5: Creating Inclusive learning Environments, **Employability : ICT Skills, UNIT 4:** Chapter 1: Developing empathy and Respect , Chapter 2 : Managing emotions, Chapter 3: Role of parents, family and community, **Employability : Entrepreneurship skills, Unit** %:Chapter 1 : Arranging Space for learning, Chapter 2 : Designing Safe Environment , Chapter 3 : A day at a Pre-School ,**Employability : Green skills**

Mock Preboard : Full Syllabus

Preboard : Full Syllabus

ECONOMICS

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

Reference Book : Sandeep Garg, Subhash Dey, School Practice Manual

Project : To be covered during the Session 2024-25

Macro Eco. MARCH – MAY

Unit 1 : National Income & Related Aggregates

Unit 2 : Money & Banking

Indian Economic Development

Chapter - 1 : Indian Economy on the Eve of Independence

Chapter - 2 : Indian Economy (1950-1990)

Chapter - 3 : Liberalisation, Privatisation & Globalisation

MACRO ECO : JULY- AUGUST

UNIT 3 : Determinants of Income and Employment

Chapter 10 : Comparative study of India, China and Pakistan

Indian Economic Development

Chapter - 5 : Rural Development

Chapter - 9 : Sustainable Economic Development

Macro Eco : SEPTEMBER- OCTOBER

Unit 4 : Government Budget & Economy

Unit 5 : Balance of Payments

Indian Economic Development

Chapter – 6 : Human Capital Formation

Chapter – 7 : Employment

TERM WISE SYLLABUS

May Test Series : Macro Economics. : Unit 1 National Income & Related Aggregates & Unit 2 Money & Banking Indian Economic Development: Ch- 1 Indian Economy on the Eve of Independence & Ch- 2 Indian Economy (1950-1990)

Aug Test Series: Macro Economics. : Unit 1 National Income & Related Aggregates & Unit 3 Determinants of Income and Employment Indian Economics : Ch - 3 Liberalisation, Privatisation & Globalisation & Ch - 10 Comparative study of India, China and Pakistan

Half Yearly Exam: Macro Economics : Unit 1, 2 & 3
Unit 1 National Income & Related Aggregates, Unit 2 Money & Banking & Unit 3 Determinants of Income and Employment , Indian Eco : Ch- 2 Indian Economy (1950-1990) Ch - 3 Liberalisation, Privatisation & Globalisation, Ch-5 Rural Development, Ch - 9 Sustainable Economic Development, Ch - 10 Comparative study of India, China and Pakistan

Mock Pre-Board : Full Syllabus

Pre Board Exam : Full syllabus

ENGG. GRAPHICS

Code No. 046 Termwise Syllabus / Activities

MARCH-MAY

— Isometric projection of solids.

Construction of isometric scale

Isometric projection (drawn to isometric scale) of solids such as cube, regular prism and pyramids (triangular, square, pentagonal and hexagonal) cone cylinder, sphere, hemisphere, frustums and cone, when they are cut by a plane parallel to the base. The axis of the solid should be either perpendicular to H.P. or perpendicular to the V.P. or parallel to V.P. both.

JULY- AUGUST

— Machine Drawing

Standard profiles of screw threads (square, Knuckle, B.S.W,

Metric (external and internal)

Bolts (square, hexagonal, T-headed and Hook)

Nuts (Square, and Hexagonal)

Plain washer

Combination of nut and bolt with or without washer for assembling two parts together

Single riveted lap joint with standard dimensions.

SEPTEMBER-OCTOBER

— Freehand sketches

— Conventional representation of external and internal threads, studs, screws (round-head, cheese head, counter sunk head, hexagonal, socket head)

— Type of rivets (snap head, pan head, without tapered neck) flat head and 600 countersunk.

— Type of Keys - rectangular taper, woodruff and double head feather key with gib head on both sides

Assembly Drawing

— Open Bearing

— Bushed Bearing

— Footstep Bearing (only sectional front view will be asked)

— Plummer Block (only sectional front view will be asked)

— Rod Joints

Cotter Joints

1) Sleeve and cotter joint 2) Gib and cotter joint

Dis-assembly drawings From isometric views :

1) Open bearing 2) Bushed bearing 3) Socked and spigot cotter joint.

Practical (30 marks)

Isometric drawing & third missing view of 15 machine blocks.

— Copy the given views

— Drawing the missing view with hidden lines — Sketching the isometric view without hidden lines.

— To make the machine block by using soap cake

— Auto card

— Using auto cad making / prepare file of simple drawings. — Viva from the syllabus.

May test series: Syllabus as specified in the month (March to May)

Aug test series: Syllabus as specified in the month (July-August)

Half Yearly Exam: Syllabus as specified in the month (March –August)

Mock Pre-Board: Full Syllabus

Pre Board Exam : Full syllabus

ENGLISH

Prescribed Books: Flamingo(NCERT) TEXTBOOK, Vistas (NCERT)

Reference Books: School Practice Manual

MARCH – MAY

Flamingo : The Last Lesson, Lost Spring, The Interview, Deep Water, My Mother at Sixty Six

Vistas: The Third Level, The Enemy, The Tiger King

Writing Skills: Notice writing- School , Residence ,Lost & Found, Job Application, Report Writing (Magazine), Report writing (Newspaper), Letter to the Editor

Reading Skills: Reading Comprehension

JULY - AUGUST

Flamingo : The Rattrap, Poets and Pancakes, Indigo, Keeping Quiet, A Thing of Beauty

Vistas: On the Face of it, Journey to the end of the Earth

Writing Skills: Invitations- Formal & Informal

Reading Skills: Reading Comprehension

SEPTEMBER - OCTOBER

Flamingo : Going Places, Aunt Jennifer’s Tigers, Roadside Stand

Vistas: Memories of Childhood

Writing Skills: Article writing

Reading Skills: Reading Comprehension

TERM WISE SYLLABUS

May Test Series:

The Interview, The Last Lesson, Lost Spring, My Mother at Sixty Six, The Third Level, The Tiger King

Reading Skills: Comprehension passage

Writing Skills: Notice Writing, Job Application, Report Writing (Magazine)

July-August Test Series: The Last Lesson, L-2 Lost Spring, Deep Water, The Interview,

My Mother at Sixty Six, Roadside Stand, The Enemy, The Tiger King, Journey to the End of Earth

Reading Skills: Comprehension passage

Writing Skills Notice, Report writing, Letter to the Editor, Job Application

Half Yearly Exams:

The Last Lesson, Lost Spring, Deep Water, The Rattrap, Indigo, Poets & Pancakes, The Interview, My Mother at 66, Keeping Quiet,

A Thing of Beauty, The Third Level, The Tiger King, The Enemy, Journey to the End of Earth, On the face of it, Memories of Childhood

Reading Skills: Comprehension passage

Writing Skills: Notice writing, Invitations, Report writing, Letter to the Editor, Job Application, Article writing

Mock Preboard Exams:

Entire Syllabus

Pre-Board:

Entire Syllabus

ENTREPRENEURSHIP

Textbook: Study material provided by CBSE

Project: To be covered during the session 24-25

MARCH - MAY

Unit 1: Entrepreneurial opportunity

Unit 2: Entrepreneurial Planning

Unit 4 : Enterprise Growth Strategies

JULY - AUGUST

Unit 3: Enterprise Marketing

Unit 6: Resource Mobilizations

SEPTEMBER - OCTOBER

Unit 5: Business Arithmetic

TERM WISE SYLLABUS

May Test Series:	Unit 1 Entrepreneurial opportunity, Unit 2: Entrepreneurial Planning
August Test Series:	Unit 4 : Enterprise Growth Strategies, Unit 6: Resource Mobilisation, Unit 2: Entrepreneurial Planning
Half Yearly Examination:	Unit 1: Entrepreneurial opportunity, Unit 2: Entrepreneurial Planning Unit 3: Enterprise Marketing, Unit 4 : Enterprise Growth Strategies
Mock Pre Board	Full syllabus
Pre Board Examination	Full syllabus

LEGAL STUDIES

Course Books : Legal Studies, NCERT

MARCH - MAY

Unit-1 Judiciary

Unit-2 Arbitration, tribunal, adjudication and alternative dispute resolution

Unit--3 Topics of Law

JULY - AUGUST

UnitL-4 Topics of Law II (General Laws)

Unit—5 C o n c e p t o f Human rights

Unit—6 I n t e r n a t i o n a l L a w

OCTOBER-NOVEMBER

Unit-7 Legal Profession In India

Unit-8 Legal Services

TERM WISE SYLLABUS

May Test Series: Unit-1 Judiciary

Unit-2 Arbitration, tribunal, adjudication and alternative dispute resolution

July Test Series: Unit-3 Topics of Law

Half Yearly Syllabus : Unit-1 Judiciary

Unit-3 Topics of Law

Unit--2 Arbitration, tribunal, adjudication and alternative dispute resolution

Unit-4 Topics of Law II (General Laws)

Unit--5 C o n c e p t o f Human rights

Mock Pre-Board Examination: Whole Syllabus

Final Pre-Board Examination: Whole Syllabus

MARKETING

Text Book : Study Material from CBSE

MARCH – MAY

Subject Specific Skills

Unit 1 : Product

Unit 2 : Price Decision

Employability Skills

Unit 1: Communication Skills

Unit 2: Self-Management Skills

JULY- AUGUST

Subject Specific Skills

Unit 3 : Place Decision: Channels of Distribution

Unit 4 : Promotion

Employability Skills

Unit 3: ICT Skills

SEPTEMBER- NOVEMBER

Subject Specific Skills

Unit 4 : Emerging Trends in Marketing

Employability Skills

Unit 4: Entrepreneurial Skills

Unit 5: Green Skills

TERM WISE SYLLABUS

May Test Series: Unit 1-Product , Unit 2- Price Decision

August Test Series: Subject Specific Skills Unit 3- Place Decision: Channels of Distribution
Employability Skills Unit 2- Self management Skills

Half Yearly Exam: Subject Specific Skills Unit 1-Product , Unit 2- Price Decision Unit 3- Place Decision:
Channels of Distribution, Unit 4 - Promotion
Employability Skills Unit 2- Self management Skills, Unit 3-ICT Skills

Mock Preboard: Entire Syllabus

Preboard: Entire Syllabus

MATHEMATICS

Course Book : Mathematics Text Book NCERT

Reference Book : NCERT EXEMPLAR, School Practice Manual

MARCH-MAY

- Chapter 2 : Inverse Trigonometric Functions
Chapter 3 : Matrices
Chapter 4 : Determinants
Chapter 5 : Continuity and Differentiability
Chapter 6 : Application of Derivatives (Rate of change and increasing , decreasing functions)

JULY-AUGUST

- Chapter 6 : Application of Derivatives (Maxima and Minima)
Chapter 7 : Integrals
Chapter 8 : Application of Integrals
Chapter 9 : Differential Equation
Chapter 1 : Relations and Functions

SEPTEMBER-OCTOBER

- Chapter 12 : Linear Programming Problem
Chapter 10 : Vector Algebra
Chapter 11 : Three – Dimensional Geometry
Chapter 13 : Probability

Term Wise Syllabus

May Test Series : Chapter 2: Inverse Trigonometric Functions , Chapter 3: Matrices ,
Chapter 4 : Determinants and Chapter 5: Continuity and Differentiability

July-Aug Test Series: Chapter 2: Inverse Trigonometric Functions , Chapter 3: Matrices , Chapter 4 :
Determinants , Chapter 5: Continuity and Differentiability , Chapter 6 : Application of
Derivatives

Half Yearly Exam : Chapter 1: Relations and Functions Chapter 2: Inverse Trigonometric Functions ,
Chapter 3: Matrices , Chapter 4 : Determinants , Chapter 5: Continuity and
Differentiability , Chapter 6: Application of Derivatives, Chapter 7: Integrals , Chapter
8:Application of Integrals, Chapter 9:Differential Equation

Mock Pre Board : Full Syllabus

Pre Board : Full Syllabus

PHYSICAL EDUCATION

Course Book : **Big Think**

Reference Book : **Big Think**

MARCH-MAY

Unit I : Management of Sporting Events

Unit II : Children & Women in Sports

Unit III : Yoga as Preventive measure for Lifestyle Disease

Unit IV : Physical Education & Sports for CWSN (Children with Special Needs - Divyang)

JULY-AUGUST

Unit V : Sports & Nutrition

Unit VI : Test & Measurement in Sports

Unit VII : Physiology & Injuries in Sport

SEPTEMBER-OCTOBER

Unit VIII : Biomechanics & Sports

Unit IX : Psychology & Sports

Unit X : Training in Sports

Term Wise Syllabus

May Test Series : Unit I Management of Sporting Events, Unit 2 Children & Women in Sports, Unit 3: Yoga as Preventive measure for Lifestyle Disease, Unit IV Physical Education & Sports for CWSN (Children with Special Needs - Divyang)

July-Aug. Test Series : Unit V: Sports & Nutrition, Unit VI: Test & Measurement in Sports, Unit VII: Physiology & Injuries in Sport

Half Yearly Exam: Unit I Management of Sporting Events, Unit 2 Children & Women in Sports, Unit III :Yoga as Preventive measure for Lifestyle Disease, Unit IV: Physical Education & Sports for CWSN (Children with Special Needs - Divyang) Unit V: Sports & Nutrition, Unit VI: Test & Measurement in Sports, Unit VII: Physiology & Injuries in Sport.

Mock Pre Board : Full Syllabus

Pre Board : Full Syllabus

PHYSICS

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

MARCH - MAY

Chapter 1 : Electric Charges and fields
Chapter 2 : Electrostatic Potential and Capacitance
Chapter 3 : Current Electricity
Chapter 4 : Moving Charges and Magnetism

JULY – AUGUST

Chapter 4 : Moving Charges and Magnetism (continued)
Chapter 5 : Magnetism and matter
Chapter 6 : Electromagnetic Induction
Chapter 7 : Alternating Current
Chapter 8 : Electromagnetic waves

SEPTEMBER – NOVEMBER

Chapter 9 : Ray Optics
Chapter 10 : Wave Optics
Chapter 11 : Dual nature of matter and radiation
Chapter 12 : Atoms
Chapter 13 : Nuclei
Chapter 14 : Electronic Devices

TERM WISE SYLLABUS

May Test Series: Chapter 1: Electric Charges and fields, Chapter 2 : Electrostatic Potential and Capacitance, Chapter 3 : Current Electricity

July-Aug. Test Series : Chapter 4: Moving Charges and Magnetism, Chapter 5: Magnetism and matter Chapter 6: Electromagnetic Induction

Half Yearly Exam : Chapter 1: Electric Charges and fields, Chapter 2: Electrostatic Potential and Capacitance, Chapter 3: Current Electricity, Chapter 4: Moving Charges and Magnetism, Chapter 5: Magnetism and matter, Chapter 6: Electromagnetic Induction, Chapter 7: Alternating Current, Chapter 8: Electromagnetic waves

Mock Pre Board : Full Syllabus

Pre Board : Full syllabus

POLITICAL SCIENCE

Course Books : Political Science NCERT

1. Politics of India since Independence

2. Contemporary World Politics Ref. Book. : School Practice Manual

MARCH - MAY

Politics in India

- L-1 Challenges of Nation Building
- L-2 Era of One party Dominance
- L-3 Politics of Planned Development
- L-4 India External Relations
- L-5 Challenges to and restoration of the Congress System
- L-6 Crisis of Democratic Order

Contemporary World Politics

- L-2 The End of Bipolarity
- L-4 Alternative Centres of Power
- L-5 Contemporary South Asia

JULY - AUGUST

Politics in India

- L-8 Regional Aspirations
- L-9 Recent developments in Indian Politics
- L-6 International Organisations
- L-7 Security in the Contemporary World

SEPTEMBER - OCTOBER

Contemporary World Politics

- L-8 Environment and Natural Resources
- L-9 Globalisation

Term Wise Syllabus

May Test Series: **Politics in India :** L-1 Challenges of Nation Building,,L-2 Era of One party Dominance, L-3 Politics of Planned Development, L-4 India External Relations

July Test Series: **Politics in India :** L-5 Challenges to and restoration of the Congress System, L-6 Crisis of Democratic Order **Contemporary World Politics :** L-2 The End of Bipolarity, L-4 Alternative centres of power, L-5 Contemporary South Asia

Half Yearly Exam : **Politics in India :** L-1 Challenges of Nation Building,,L-2 Era of One party Dominance, L-3 Politics of Planned Development, L-4 India External Relations, L-5 Challenges to and restoration of the Congress System, L-6 Crisis of Democratic Order **Contemporary World Politics :** L-2 The End of Bipolarity, L-4 Alternative centres of power, L-5 Contemporary South Asia, L-6 International Organisations, L-7 Security in the contemporary world

Mock Pre-Board Examination: Entire Syllabus

Final Pre-Board Examination: Entire Syllabus

PSYCHOLOGY

MARCH-APRIL-MAY

CHAPTER 1 : Variations in Psychological Attributes

CHAPTER 2 : Self and Personality

JULY-AUGUST

CHAPTER 3. : Meeting life challenges

CHAPTER 4 : Psychological Disorders

CHAPTER 5 : Therapeutic Approaches (psychoanalysis, biomedical therapies deleted)

SEPTEMBER-OCTOBER

CHAPTER 6 : Attitude and Social Cognition (till strategies for handling prejudice)

CHAPTER 7 : Social Influences and Group processes (till group polarization)

Term wise Syllabus

May Test Series : Ch 1 Variations in psychological attributes, Ch-2 Self and Personality

July Test Series : Ch2 Self and Personality, Ch 3 Meeting Life Challenges

Half yearly Examination: Ch1 Variations in Psychological Attributes, Ch2 Self and Personality, Ch3 Meeting Life challenges, Ch4 Psychological Disorders, Ch4 Therapeutic Approaches ,
4 Practicals (SCQ,SAS,AISS,IPAT)

Mock Pre Board Exam : Entire Syllabus , 5 Practicals (SCQ,SAS,IPAT,AISS,MPI)

Pre Board Examination : Entire Syllabus, 5 Practicals (SCQ,SAS,IPAT,AISS,MPI)

YOGA

Text Book : YOGA BOOK

MARCH – MAY

Subject Yoga Skills

Unit 1 : Introduction to Yoga and Yogic Practices- II

Unit 2 : Introduction to Yoga Texts- II

Employability Skills

Unit 1 : Communication Skills

Unit 2 : Self-Management Skills

JULY – AUGUST

Subject YOGA Skills

Unit 1 : Introduction to Yoga and Yogic Practices- II

Unit 2 : Introduction to Yoga Texts- II

Employability Skills

Unit 2 : Self-Management Skills

Unit 3 : Information and Communication Technology Skills

SEPTEMBER - OCTOBER

Subject YOGA Skills

Unit 1 : Introduction to Yoga and Yogic Practices- II

Unit 2 : Introduction to Yoga Texts- II

Unit 3 : Yoga for Health Promotion

Employability Skills

Unit 2 : Self-Management Skills

Unit 3 : Information and Communication Technology Skill

Unit 4 : Entrepreneurial Skills

Term wise Syllabus

May Test Series: Subject Specific Skills Unit 1: Introduction to Yoga and Yogic Practices- II
Unit 2 : Introduction to Yoga Texts- II

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

August Test Series: Subject Specific Skills Unit 2 : Introduction to Yoga Texts- II, Unit 3 : Yoga for Health

Promotion

Employability Skills Unit 2 : Self-Management Skills, Unit 3 : ICT Skills, Unit 4 :
Entrepreneurial Skills -IV

Half Yearly Examination: : Subject Specific Skills Unit 1 ,Unit 2, Unit 3

Employability Skills Unit 2 ,Unit 3 ,Unit 4

Mock Pre Board: Entire Syllabus

Pre Board: Entire 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"> •What is STEM Education? •What is Robotics? • What can robots do? • What can't robots do? • How are robots useful? • How robots are different from machine? 	<ul style="list-style-type: none"> •To understand how technology will impact the workforce.
2	Arduino	controller Introduction	<ul style="list-style-type: none"> •Introduction to controller and basics of electronic components 	<ul style="list-style-type: none"> • Electronics basics. • What is sensor. • What is controller and how to use it • Brainstorming on Design & Construction
3	Arduino	Glow an LED	<ul style="list-style-type: none"> •Introduction to LEDs •How to Connect LEDs •LED glowing circuit on controller 	<ul style="list-style-type: none"> • Introduction to Circuit Designing • Build a Circuit • Coding Skills
4	Arduino	Diwali Lights	<ul style="list-style-type: none"> •Controlling multiple LEDs in different pattern 	<ul style="list-style-type: none"> • Analysing the colors and patterns • Coding Skills
5	Arduino	Switching On/Off LED Using Push Button	<ul style="list-style-type: none"> •What is Push Button •How to interface a Push Button with the controller •Controlling an LED using a Push Button 	<ul style="list-style-type: none"> • Idea Generation • Coding Skills
6	Arduino	RGB Disco Light	<ul style="list-style-type: none"> •Introduction to RGB LED and its circuit on breadboard •How RGB LED is different from simple LED 	<ul style="list-style-type: none"> • Idea Generation • Coding Skills
7	Arduino	Intruder Alarm	<ul style="list-style-type: none"> •Introduction to IR Sensor •Introduction to Buzzer •IR Sensor controlled Buzzer activity 	<ul style="list-style-type: none"> • Solve Real World Problems • Decision Making • Coding Skills
8	Arduino	Seven Segment Display	<ul style="list-style-type: none"> •Introduction to Seven Segment Display and its circuit •What are the real time applications of seven segment display? • Difference between Common Cathode and Common Anode 	<ul style="list-style-type: none"> • Idea Generation • Coding Skills
9	Arduino	Servo Motor Control	<ul style="list-style-type: none"> •What is a Servo Motor •How does a Servo Motor works •How to control a Servo & move it to a particular angel using controller 	<ul style="list-style-type: none"> • Idea Generation • Coding Skills

10	Arduino	Automatic Street Light	<ul style="list-style-type: none"> •Introduction to LDR Sensor •How we can control electronic devices using LDR sensor 	<ul style="list-style-type: none"> • Decision Making • Ability to identify and solve complex problems • Coding Skills
11	Arduino	Color Sorter (Black and White)	<ul style="list-style-type: none"> •How to differentiate between colors using an IR Sensor •How to sort materials using an IR sensor and moving items using servo motor 	<ul style="list-style-type: none"> • Analysing the colors and patterns • Understand STA (Sense - Think - Act) Concept • Coding Skills
12	Arduino	LED Brightness Control	<ul style="list-style-type: none"> •Concept of PWM pins and their working •Changing the colour and brightness of the LED or RGB 	<ul style="list-style-type: none"> • Analysing the colors and patterns • Coding Skills
14	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"> • Arduino Programming. • Moving DC motors. • Problem solving and project skills.
15	Pick & Place Robot	ARM movement	Prrogramming 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"> • Arduino Programming. • Moving DC motors. • Problem solving and project skills.
16	Pick & Place Robot	Open and close claw	Program claw to open and close. Controlling tank using mobile phone.	<ul style="list-style-type: none"> • Arduino Programming. • Moving DC motors. • Problem solving and project skills.
17	Pick & Place Robot	Final code compilation	Combine all codes and conditions together to form pick and place robot.	<ul style="list-style-type: none"> • Arduino Programming. • Moving DC motors. • Problem solving and project skills.
18	3D designing	Introduction of 3D Designing	<ul style="list-style-type: none"> • Difference between 2D and 3D shapes. Understanding about workplane, viewcube, solid and hollow shapes. 	<ul style="list-style-type: none"> • Constructive Building • Design thinking • Angles, Shapes, Concept of Geometry.
19	3D designing	TinkerCad: Different features and their uses	<ul style="list-style-type: none"> • Learning about how to change sides of a shape, bevel, rounded, group, ungroup and alignment of shapes. 	<ul style="list-style-type: none"> • Constructive Building • Design thinking • Angles, Shapes, Concept of Geometry.
20	3D designing	Ludo Dice	<ul style="list-style-type: none"> • How to work on multiple planes. Adding and removing work planes. 	<ul style="list-style-type: none"> • Constructive Building • Design thinking • Angles, Shapes, Concept of Geometry.
21	3D designing	How to make Hollow/ Shell Objects?	<ul style="list-style-type: none"> • Make a pen stand or box with lid to understand how to make cavity inside boxes. • Grouping and alignment of shapes. 	<ul style="list-style-type: none"> • Constructive Building • Design thinking • Angles, Shapes, Concept of Geometry.
22	3D designing	How to make Monument?	<ul style="list-style-type: none"> • Designing Leaning tower of pisa structure. • How to make windows, pillars and gates. 	<ul style="list-style-type: none"> • Constructive Building • Design thinking • Angles, Shapes, Concept of Geometry.

23	3D designing	Creating a House	<ul style="list-style-type: none"> • Make your own home structure. 	<ul style="list-style-type: none"> • Constructive Building • Design thinking • Angles, Shapes, Concept of Geometry.
24	3D designing	How to turn 2D Object into 3D Object?	<ul style="list-style-type: none"> • Learning the process to make 2D shapes into 3D shapes... 	<ul style="list-style-type: none"> • Constructive Building • Design thinking • Angles, Shapes, Concept of Geometry.
25	3D designing	How to bevel and round edges?	<ul style="list-style-type: none"> • How we can change shapes by changing the round and edges measure. 	<ul style="list-style-type: none"> • Constructive Building • Design thinking • Angles, Shapes, Concept of Geometry.
26	3D designing	How to use scribble Tool?	<ul style="list-style-type: none"> • Drawing 3D shapes free handed and adding into final model like handle of cup. 	<ul style="list-style-type: none"> • Constructive Building • Design thinking • Angles, Shapes, Concept of Geometry.
Exhibition				

VOCAL MUSIC

- April**
 - School Song
 - Hindi Prayer (Ek Tu Hi Bharosa)
 - Baisakhi Celebration
 - Motivational Song
- May**
 - Mother's Day Celebration
 - Hindi Prayer (Aalokit Path Karo)
 - Raag Durga Bandish)
- July**
 - Environmental Song
 - Guru Purnima Celebration
 - Definition of Music (Rhythm, Beat, Tempo)
- August**
 - Independence Day Celebration
 - Raksha Bandhan Celebration
 - Janmashtami Celebration
- September**
 - Hindi Prayer (He Prabhu Aanand Data)
 - Ganesh Chaturthi Celebration
 - National Song (Vande Matram – 1 & 2)
 - Half Yearly Examination
- October**
 - Gandhi Jayanti Celebration
 - Dussehra Celebration
 - National Song (Vande Matram – 3 & 4)
- November**
 - Diwali Celebration
 - Children's Day Celebration
 - Guru Nanak Jayanti Celebration
 - Raag Yaman Sargam Geet
- December**
 - Christmas Celebration
 - Alankaars 1 to 6
 - Inspirational Song
 - Introduction of Teentaal
- January**
 - Republic Day Celebration
 - Lohri Celebration
 - Raag Bhopali Sargam Geet
- February**
 - Basant Panchami Celebration
 - Shivratri Celebration
 - Annual Assessment

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 FEBRURAY

- 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"*

21ST 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



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