

**SYLLABUS FOR CLASS - X**  
**SESSION 2021-22**

**ENGLISH**

**APRIL**

**Literature Reader**

**FIRSTFLIGHT**

Chapter1

A Letter to God

Poem1

Dust of Snow

Poem2

Fire and Ice

**Supplementary Reader**

**FOOTPRINTS WITHOUT FEET**

Chapter1

A Triumph of Surgery

WORK BOOK

Unit 1,2

GRAMMAR

Tenses, Dialogue Writing, Gap Filling

WRITING SKILLS

Analytical Paragraph

LISTENING SKILLS

Listening Comprehension

MULTIPLE ASSESSMENT

Debate

**MAY & JUNE**

**FIRST FLIGHT**

Chapter3

Two Stories About Flying

Chapter4

From the Diary of Anne Frank

Poem3

A Tiger in the Zoo

Poem4

How to Tell Wild Animals

**FOOTPRINTS WITHOUT FEET**

Chapter3

The Midnight Visitor

Chapter4

A Question of Trust

WORK BOOK

Unit 3,4

GRAMMAR

Editing, Tenses, Modals

WRITING SKILLS

Letter to Editor

READING SKILLS

Unseen Comprehension

## JULY

### FIRST FLIGHT

Chapter5

The Hundred DressesI

Chapter6

The Hundred DressesII

### FOOTPRINTS WITHOUT FEET

Chapter2

The Thief'sStory

GRAMMAR

Gap-filling, Rearrangement,  
Determiners

WRITING SKILLS

Analytical Paragraph, Letter of  
Placing Order

READING SKILLS

Unseen Comprehension

WORK BOOK

Unit 5,6

MULTIPLE ASSESSMENT

Test Your Vocabulary

## AUGUST

### FIRST FLIGHT

Poem 6

Amanda

### FOOTPRINTS WITHOUT FEET

Chapter 5

Footprints Without Feet

WORK BOOK

Unit7

GRAMMAR

Rearrangement, Narration,  
Dialogue Writing

WRITING SKILLS

Letter of Enquiry

READING SKILLS

Literary Comprehension

SUBJECT ENRICHMENT

Assessment of Speaking and  
Listening Skills

## SEPTEMBER

### FIRST FLIGHT

Chapter 2	Nelson Mandela
Poem 5	The Ball Poem

## OCTOBER

### FIRST FLIGHT

Chapter7	Glimpses of India
Chapter8	Mjibil The Otter
Poem7	Animals
Poem8	The Trees

### FOOTPRINTS WITHOUT FEET

Chapter6	The Making of a Scientist
Chapter7	The Necklace
WORK BOOK	Unit 8,9
GRAMMAR	Prepositions, Passive Voice
WRITING SKILLS	Analytical Paragraph, Letter of Complaint
READING SKILLS	Unseen Comprehension
MULTIPLE ASSESSMENT	Creating Newspaper

## NOVEMBER

### FIRST FLIGHT

Chapter 9	Madam Rides The Bus
Chapter10	The Sermon at Benaras
Poem9	Fog
Poem10	The Tale of Custard the Dragon

### FOOTPRINTS WITHOUT FEET

Chapter8	The Hack Driver
Chapter9	Bholi
WORK BOOK	Unit10
GRAMMAR	Editing, Re-arrangement
WRITING SKILLS	Letter to Editor

READING SKILLS

Unseen Comprehension

**DECEMBER**

**FIRST FLIGHT**

Chapter11

TheProposal

Poem11

For AnneGregory

**FOOT PRINTS WITHOUT FEET**

Chapter10

The Book that Saved theEarth

GRAMMAR

Integrated Grammar

WRITING SKILLS

Analytical Paragraph,  
Letter Writing

READING SKILLS

Unseen Comprehension SUBJECT

SUBJECT ENRICHMENT

Assessment of Speaking and  
Listening Skills

## हिन्दी

### अप्रैल

स्पर्श (गद्य)

पाठ - 1

बड़े भाई साहब

(पद्य)

पाठ - 1

साखी

पाठ - 2

पद

व्याकरण

पाठ - 1

पदबंध

पाठ - 3

समास

पाठ -

अलंकार

अपठित बोध, अनुच्छेद, औपचारिक पत्र, लघु कथा, विज्ञापन  
व सूचना लेखन

रचनात्मक अभिव्यक्ति

परियोजना कार्य - हिन्दी भाषा का उदभवविकास

### मई

स्पर्श (गद्य)

पाठ - 2 डायरी का एक पन्ना

व्याकरण

पाठ - 2 रचना के आधार पर वाक्य - रूपांतरण

पाठ - 4 मुहावरे

अपठित बोध, अनुच्छेद ,औपचारिक पत्र, लघु कथा, विज्ञापन व सूचना लेखन

### जून

संचयन

पाठ - 1 हरिहर काका

व्याकरण

पाठ - 2 रचना के आधार पर वाक्य - रूपांतरण

पाठ - 4 मुहावरे

अपठित बोध, अनुच्छेद ,औपचारिक पत्र, लघु कथा, विज्ञापन व सूचना लेखन

रचनात्मक अभिव्यक्ति

श्रवण कौशल मूल्यांकन

### जुलाई

स्पर्श (गद्य)

पाठ - 3 तँतारा वामीरो कथा

पाठ - 4 तीसरी कसम के शिल्पकार - शैलेन्द्र

(पद्य)

पाठ - 3 दोहे

व्याकरण

पाठ - 2 रचना के आधार पर वाक्य - रूपांतरण

पाठ - 4 मुहावरे

अपठित बोध, अनुच्छेद, औपचारिक पत्र, लघु कथा,  
विज्ञापन व सूचना लेखन

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### अगस्त

स्पर्श (गद्य)

पाठ - 5 गिरगिट

(पद्य)

पाठ - 4 मनुष्यता

संचयन

पाठ - 2 सपनोंकेसेदिन

व्याकरण

पाठ - 3 समास

पाठ - 4 मुहावरे

अपठित बोध, अनुच्छेद, औपचारिक पत्र, लघु कथा, विज्ञापन  
व सूचना लेखन

### सितंबर

स्पर्श (पद्य)

पाठ - 5 पर्वत प्रदेश में पावस

पाठ - 6 मधुर-मधुर मेरे दीपक जल

व्याकरण

पाठ - 2 रचना के आधार पर वाक्य - रूपांतरण

लघुकथा, विज्ञापन व सूचना लेखन

### अक्टूबर

स्पर्श (पद्य)

पाठ - 7 तोप

(गद्य)

पाठ - 6 अब कहाँ दूसरों के दुःख से दुखी होने वाले

पाठ - 7 पतझड़ में टूटी पत्तियाँ

व्याकरण

पाठ - 1 पद बंध

पाठ - 3 समास

पाठ - अलंकार

अपठित बोध, अनुच्छेद, औपचारिक पत्र, लघु कथा,  
विज्ञापन व सूचना लेखन

**रचनात्मक अभिव्यक्ति**

परियोजना कार्य - साहित्यकार का जीवन परिचय

### नवंबर

**स्पर्श (पद्य)**

पाठ - 8 कर चले हम फिदा

पाठ - 9 आत्मत्राण

**संचयन**

पाठ - 3 टोपी शुक्ला

**व्याकरण**

पाठ - 1 पदबंध

पाठ - 4 मुहावरे

अपठित बोध, अनुच्छेद, औपचारिकपत्र, लघु कथा, विज्ञापन  
व सूचना लेखन

**रचनात्मक अभिव्यक्ति**

श्रवण कौशल मूल्यांकन

### दिसंबर

**स्पर्श (गद्य)**

पाठ - 8 कारतूस

**व्याकरण**

पाठ - 2 रचना के आधार पर वाक्य - रूपांतरण

पाठ - 4 मुहावरे

अपठित बोध, अनुच्छेद, औपचारिक पत्र, लघुकथा, विज्ञापन  
व सूचना लेखन

**रचनात्मक अभिव्यक्ति**

श्रवण कौशल मूल्यांकन

औपचारिक पत्र, लघु कथा, विज्ञापन व सूचनाले खन

## **MATHEMATICS**

### **APRIL**

Chapter– 2

Polynomials

Chapter– 3

Pair of Linear Equations in Two Variables

Chapter–15

Probability

**Multiple Assessment**

To obtain the zero of a Quadratic  
Polynomial geometrically

**Lab Activity**

To obtain the conditions for consistency  
of a system of linear equations in two variables

### **MAY / JUNE**

Chapter–4

Quadratic Equations

**Lab Activity**

1. To obtain the solutions of a quadratic equation.
2. To verify the probability (dice)

### **JULY**

Chapter-5

Arithmetic Progressions  
Triangles [Ex. 6.1, 6.2,6.3]

**Lab Activity**

1. To verify that the given sequence is an arithmetic  
progression by paper cutting and pasting method.



2. To illustrate that the medians of a triangle occur at a point called the centroid, which always lies inside the triangle

### **AUGUST**

Chapter– 6                      Triangles [Ex. 6.4, 6.5, 6.6]  
Chapter–7                      Coordinate Geometry  
**Multiple Assessment**                      Concept Map

### **SEPTEMBER**

Chapter– 1                      Real Numbers

### **OCTOBER**

Chapter– 8                      Introduction to Trigonometry  
Chapter– 9                      Some Applications of Trigonometry  
Chapter–11                      Constructions

### **NOVEMBER**

Chapter-10                      Circles  
Chapter–13                      Surface Areas and Volumes  
Chapter–14                      Statistics [Ex. 14.1,14.2]

### **Lab Activity**

1. To obtain the formula of Lateral surface area and total surface area of a cylinder in terms of the radius ( $r$ ) of its base and height( $h$ )  
2. To show that the lengths of tangents drawn from an external point to a circle are equal.

**Multiple Assessment**                      To find median of given data graphically.

### **DECEMBER**

Chapter–14                      Statistics [Ex. 14.3, 14.4]  
Chapter–12                      Areas Related toCircles

## **SOCIAL SCIENCE**

### **APRIL**

Geography	Ch. 1	Resource and Development
	Ch.2	Forest and Wildlife Resources
Political Sc.	Ch.1	Power Sharing
Economics	Ch. 1	Development

### **MAY / JUNE**

Geography	Ch. 3	Water Resources
	Ch. 4	Agriculture
Political Sc.	Ch. 2	Federalism
History	Ch. 1	Nationalism in Europe

**Subject Enrichment** Activity : Project on Consumer Rights.

### **JULY**

History	Ch.5	The Age of Industrialization
Geography	Ch.5	Minerals and Energy Resources
Economics	Ch 2	Sectors of Indian Economy

**Multiple Assessment** Activity : 1

### **AUGUST**

History	Ch. 3	Nationalism in India
Political Sc	Ch 3	Democracy and Diversity
Economics	Ch 3	Money and Credit

**Multiple Assessment** Activity : 2

## SEPTEMBER

Economics

Ch 4 Globalization  
and the Indian Economy

## OCTOBER

History

Ch. 7

Print Culture and the Modern World

Geography

Ch. 6

Manufacturing Industries

Political Sc.

Ch 4

Gender, Caste and Religion

**Multiple Assessment**

Activity :3

## NOVEMBER

Political Sc.

Ch 5

Popular Struggle and Movement

Ch.6

Political Parties

**Multiple Assessment**

Activity : 4

## DECEMBER

Geography

Ch. 7

Lifelines of National Economy

Political Sc

Ch 7

Outcomes of Democracy

## SCIENCE

### APRIL

Chapter-1

Chemical Reactions and Equations

Practical

1. To perform and observe the following reactions and classify them into :

- a) Combination Reaction
- b) Decomposition Reaction
- c) Displacement Reaction
- d) Double Displacement Reaction
  - i) Action of water on quicklime
  - ii) Action of heat on Ferrous Sulphate
  - iii) Iron Nails kept in Copper Sulphate Solution
  - iv) Reaction between Sodium Sulphate and Barium Chloride Solution.

- Chapter-12 Electricity
- Practical
2. To study the dependence of current (I) on the potential difference (V) across a resistor and determine its resistance. Also plot a graph between (V) and (I).
  3. To determine the equivalence resistance of two resistors when connected in series and when connected in Parallel.

**Subject Enrichment - Lab Work.**

**MAY**

Chapter-6 Life Processes – Nutrition and Respiration

**Multiple Assessment - 1**

**JUNE**

- Practical
4. To show that CO<sub>2</sub> is given out during respiration.
  5. To prepare a temporary mount of leaf peel to show stomata.

Chapter-6 Life Process - Transportation and Excretion

**JULY**

Chapter-3 Metals and Non-Metals

- Practical
6. a) To observe the action of Zn, Fe, Cu and Al metals on the following salt solutions.
    - i) Zn SO<sub>4</sub>                      ii) Fe SO<sub>4</sub>
    - iii) Cu SO<sub>4</sub>                      iv) Al<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>
  - b) Arrange Zn, Fe, Cu and Al metals in decreasing order of reactivity based on above result.

Chapter 2 Acids Bases and Salts

- Practical
- To study the properties of
- Acids and Bases (dil HCl and dil. NaOH) by their reaction with Litmus Solution

Zinc Metal  
Solid Sodium Carbonate

b) To find the pH of the following samples by using pH paper

i) dilute hydrochloric acid

ii) dilute NaOH solution

iii) dilute ethanoic acid

iv) lemon juice

v) water

vi) dilute sodium bicarbonate solution

Chapter-14 Sources of Energy

### Multiple Assessment II

#### AUGUST

Chapter-10 Light

Practicals

8. To determine the focal length of a concave mirror and convex lens by obtaining the image of distant objects.

9. To find the image distance for varying object distances in case of a convex lens. Draw corresponding ray diagrams to show the nature of the image formed.

10. To trace the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angles of incidence, angle of refraction, angle of emergence and interpret the result.

Chapter - 11 Human Eye and Colourful World

Practical

To trace the path of a ray of light through a glass prism.

**Subject Enrichment II** : Lab Work

#### SEPTEMBER

Chapter 16 Management of Natural Resources

Chapter 15 Our Environment

## OCTOBER

- Chapter-4 Carbon and its compounds
- Practical 12. To study the following properties of Acetic Acid (Ethanoic Acid)
- i) Odour
  - ii) Solubility
  - iii) Effect on litmus
  - iv) Reaction with sodium bicarbonate
13. To study the comparative cleaning capacity of a sample of soap in soft and hard water.

Chapter-7 Control and Coordination

### Subject Enrichment III : Lab Work

## NOVEMBER

- Chapter-8 How do organisms Reproduce?
- Practical 14. To study the Binary Fission in Amoeba and budding in yeast with the help of prepared slides.
15. To identify the different parts of an embryo of dicot seed (Pea, Gram or red kidney)
- Chapter - 13 Magnetic Effect of Electric Current Chapter-5 Periodic Classification of Elements.

### Multiple Assessment III

### Subject enrichment IV : Lab Work

Chapter-9 Heredity and Evolution

Chapter-12 Electricity

Chapter-14 Sources of Energy

## ART EDUCATION

## **APRIL**

1. Perspective
2. Fruit Composition
3. Animal and Birds in pencil Shading

## **MAY**

1. Landscape in Pencil Shading
2. Still Life Pencil Shading

## **JULY**

1. Eyes ,Nose , Ears and Lips ,
2. Sketches of Human Figures
3. Pen and Ink Drawing
4. Landscape – Pen and Ink

## **AUGUST**

1. Still Life in Oil Pastel
2. Animal and Birds in Colour
3. Landscape in Colour

## **SEPTEMBER**

1. Still Life in Water colour
2. Human Figures in Water Colour
3. Modern Painting

## **OCTOBER**

1. Methods of Printing
2. Paper Collage
3. Calligraphy

## **NOVEMBER**

1. Poster Design
2. Cartoon Designing
3. Folk Art

## **DECEMBER**

1. File Colour Design
2. Various Drawing Techniques – (Page No –13)
3. Hands and Feet

## **JANUARY**

1. Emotive Typography
2. Logos

## **SUPW**

1. Topic-Water Pollution
2. Causes of water Pollution
3. Ways to prevent Water Pollution
4. Techniques to Conserve water