

## Class 9 - Course Planner

### SCIENCE AND MATHS

#### PHYSICS

1. Units and Measurement
2. Motion in a Straight Line and Plane
3. Laws of Motion
4. Work, Power and Energy
5. Gravitation
6. Fluid Statics
7. Sound

#### CHEMISTRY

1. Matter and its Composition
2. Structure of the Atom
3. Periodic Classification
4. Chemical Bonding
5. States of Matter
6. Chemical Kinetics and Equilibrium

#### BIOLOGY

1. The Cell
2. Tissues
3. Improvement in Food Resources
4. Why do we Fall Ill ?
5. Diversity in Living Organisms
6. Natural Resources

#### MATHS

1. Number Systems
2. Arithmetic
3. Algebra
4. Sets and Relations
5. Geometry
6. Mensuration
7. Progressions
8. Statistics and Probability
9. Coordinate Geometry

### MENTAL ABILITY

1. Number Series
2. Number Oddman
3. Number Analogies
4. Coding and Decoding
5. Logical Venn Diagrams
6. Directional Tests
7. Counting of Geometrical Patterns
8. Calendar Problems

### ENGLISH

#### BEEHIVE

1. The Fun They Had
2. The Road Not Taken
3. The Sound of Music
4. Wind
5. The Little Girl
6. Rain on the Roof
7. A Truly Beautiful Mind
8. The Lake Isle of Innisfree
9. The Snake and the Mirror
10. A Legend of the Northland
11. My Childhood
12. No Men are Foreign
13. Reach for the Top
14. On Killing a Tree
15. Kathmandu
16. A Slumber did My Spirit Seal
17. If I were You

#### MOMENTS

1. The Lost Child
2. The Adventures of Toto
3. Iswaran the Storyteller
4. In the Kingdom of Fools
5. The Happy Prince
6. Weathering the Storm in Ersama
7. The Last Leaf
8. A House is Not a Home
9. The Beggar

#### READING

1. Discursive Passage
2. Case Based Factual Passage

#### WRITING

1. Descriptive Paragraph
2. Diary Entry
3. Story Writing

#### GRAMMAR

1. Tenses
2. Modals
3. Determiners
4. Subject-Verb Concord
5. Reported Speech

### SOCIAL SCIENCE

#### HISTORY

1. The French Revolution
2. Socialism in Europe and the Russian Revolution
3. Nazism and the Rise of Hitler
4. Forest Society and Colonialism
5. Pastoralists in the Modern World

#### CIVICS

1. What is Democracy? Why is Democracy?
2. Constitutional Design
3. Electoral Politics
4. Working of Institutions
5. Democratic Rights

#### GEOGRAPHY

1. India - Size and Location
2. Physical Features of India
3. Drainage
4. Climate
5. Natural Vegetation and Wildlife
6. Population

#### ECONOMICS

1. The Story of Village Palampur
2. People as Resource
3. Poverty as a Challenge
4. Food Security in India

## Class 10 - Course Planner

### SCIENCE AND MATHS

#### PHYSICS

1. Heat
2. Optics
3. Electricity
4. Work, Power and Energy
5. Electromagnetism
6. Wave Motion and Sound
7. Modern Physics

#### CHEMISTRY

1. Chemical Reactions and Equations
2. Atomic Structure
3. Periodic Classification of Elements
4. Chemical Bonding
5. Acids, Bases and Salts
6. Metallurgy
7. Study of Compounds
8. Organic Chemistry
9. Analytical Chemistry

#### BIOLOGY

1. Life Processes I : Nutrition in Plants and Animals
2. Life Processes II : Respiration, Transportation and Excretion
3. Control and Coordination
4. How do Organisms Reproduce ?
5. Heredity and Evolution
6. Our Environment and Population
7. Sustainable Management of Natural Resources
8. Pollution : Types and Prevention

#### MATHS

1. Real and Complex Numbers
2. Algebra
3. Sets and Relations
4. Geometry
5. Mensuration
6. Progressions
7. Statistics and Probability
8. Coordinate Geometry
9. Trigonometry
10. Matrices
11. Functions

### MENTAL ABILITY

1. Numbers and Symbol Interchange
2. Numbers Around the Circle
3. Numbers in Geometrical Figures
4. Colouring and Cutting of Cubes
5. Analytical Reasoning
6. Blood Relationship
7. Seating Arrangement
8. Clocks

### ENGLISH

#### FIRST FLIGHT

1. A Letter to Go
2. Dust of Snow
3. Fire and Ice
4. Nelson Mandela: Long Walk to Freedom
5. A Tiger in the Zoo
6. Two Stories about Flying
7. How to Tell Wild Animals
8. The Ball Poem
9. From the Diary of Anne Frank
10. Amanda!
11. Glimpses of India
12. The Trees
13. Mijbil the Otter
14. Fog
15. Madam Rides the Bus
16. The Tale of Custard the Dragon
17. The Sermon at Benares
18. For Anne Gregory
19. The Proposal

#### FOOTPRINTS WITHOUT FEET

1. A Triumph of Surgery
2. The Thief's Story
3. The Midnight Visitor
4. A Question of Trust
5. Footprints without Feet
6. The Making of a Scientist
7. The Necklace
8. Bholi
9. The Book That Saved the Earth

#### READING

1. Discursive Passage
2. Case Based Passage

#### WRITING

1. Formal Letters
2. Analytical Paragraph

#### GRAMMAR

1. Tenses
2. Modals
3. Determiners
4. Subject-Verb Concord
5. Reported Speech

### SOCIAL SCIENCE

#### HISTORY

1. The Rise of Nationalism in Europe
2. Nationalism in India
3. The Making of a Global World
4. The Age of Industrialisation
5. Print Culture and the Modern World

#### CIVICS

1. Power Sharing
2. Federalism
3. Gender, Religion and Caste
4. Political Parties
5. Outcomes of Democracy

#### GEOGRAPHY

1. Resources and Development
2. Forests and Wildlife Resources
3. Water Resources
4. Agriculture
5. Minerals and Energy Resources
6. Manufacturing Industries
7. Lifelines of National Economy

#### ECONOMICS

1. Development
2. Sectors of Indian Economy
3. Money and Credit
4. Globalisation and the Indian Economy
5. Consumer Rights