

# St. Stephen's School Birati

## Syllabus 2025-26

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### Aims & Objectives of Curriculum

#### English

- To develop and integrate among students the use of four language skills i.e. listening, speaking, reading and writing.
- To use the language affectively and appropriately on topics of everyday life and situation, to appreciate the language as an effective means of communications.
- To understand the use of correct language.
- To develop an interest in appreciation of literature.

#### History and Civics

- To provide the clear understanding of the functioning of government, that will stimulate the growth of students into an enlightened citizen of their country.
- To enrich the understanding of those aspects of Indian history which are required for understanding of contemporary India.
- To develop an enviable understanding among students about various aspects which have contributed to the development and growth of Indian nation, its civilization and culture.
- To develop a world historical perspective of the contribution made by varied cultures to the total heritage of mankind.

#### Moral Education

- To develop essential elements of morality in every student.
- To develop the values and capabilities necessary for making right decision and upright conduct.
- Develop an attitude of open mindedness to appreciate and be ready to accept others.
- To develop the skill of striving not only for good but to handle conflicting situations without demeaning self to act constructively not defensive.
- Moral values to promote the development of good character for the purpose of lessening crime and raising the standard of good citizenship.

#### Bengali/Hindi

- To develop language as an affective means of communication.
- To develop an interest in language and acquire knowledge of the elements of language.
- To understand the basic structural patterns of the language, vocabulary and constructions.

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### Geography

- To develop the understanding of the terms, concepts and principles related to geography.
- To explain the cause- effect relationship of natural phenomena.
- To know the availability of natural resources, understand their uses and methods of conservations.
- To understand the use of natural resources and development of the regions by mankind.

### Mathematics

- To acquire the knowledge and understanding the terms, symbols, concepts, principles, theorems, etc. of mathematics.
- To develop skills to apply mathematical concepts and promote their applications to further studies in mathematics and science.
- To develop skills to apply mathematical knowledge to solve real life problems.
- To develop interest in mathematics, drawing skills, skills of reading tables, charts and graphs.

### Physics

- To acquire knowledge of terms, concepts, definitions, laws, principles and processes of physics.
- To develop instrumental, communications and problem-solving skills.
- To relate theoretical aspects with practical knowledge and develop a better understanding.
- Discover the growth of physics in our daily life activity.

### Chemistry

- To acquire knowledge of terms, concepts, processes, techniques and principals related to the subject.
- To develop scientific temper, attitude and problem solving skills.
- To develop the ability to apply the knowledge of contents of chemistry in unfamiliar situation.

### Biology

- To develop an understanding of the interrelationship between sustainability and environmental adaptation.

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- To develop an understanding of the interdependence of plants and animals, so as to enable pupils to acquire a clearer comprehensive knowledge.
- To understand the capacities and limitations of all the biological activities of man so as to be able to use it for a better quality of life.

### Economics Application

- To acquire the knowledge of terms, facts, concepts, principles, trends, assumption, etc.
- To develop familiarity with the basic terminology and elementary ideas of Economics
- To acquire knowledge of contemporary economic problems and to appreciate the efforts being made to solve these problems.
- To develop an understanding of the nations physical and human resources to avoid their misuse.
- To acquire skills in interpreting simple statistical data.

### Computer Application

- To enable candidates to understand ethical issues related to the field of computers.
- To develop an understanding of basic programming concepts and structures.
- To apply the programming concepts in finding the solution to real life situations by building their own applications.

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### Computer

#### UNIT1:

Sl No	Content	Concept
1	Principles of Object-Oriented Programming( <i>chp-1</i> )	Programming Paradigms-POP and OOP,Features of OOP.
2	Introduction to Java( <i>chp-2</i> )	Java compilation process,Features of java.
3	Elementary Concepts of objects and Classes( <i>chp-3</i> )	Properties of class and object.
UNIT2:		
1.	Values and Types( <i>chp-4</i> )	Character set in java,Datatypes in java,Type Conversion
2.	Conditional Construct in java( <i>chp-8</i> )	If-else, Switch case

#### TERMINAL:

Sl No	Content	Concept
1	Principles of Object-Oriented Programming( <i>chp-1</i> )	Programming Paradigms-POP and OOP,Features of OOP
2	Introduction to Java( <i>chp-2</i> )	Java compilation process,Features of java
3	Conditional Construct in java( <i>chp-8</i> )	If-else, Switch case
4	Operators in java( <i>chp-5</i> )	Types and hierarchy in java,Special operators and Associativity of operators
5	Input in java( <i>chp-6</i> )	Different types of input in java,Errors in java,Packages and Comments in java
6	Iterative Constructs in Java( <i>chp-9</i> )	Different parts of loop,Categories of loop

#### PROJECT: Programs on JAVA

#### FINAL:

Sl No	Content	Concept
1	Elementary Concepts of objects and Classes( <i>chp-3</i> )	Properties of class and object
2	Values and Types( <i>chp-4</i> )	Character set in java,Datatypes in java,Type Conversion
3	Conditional Construct in java( <i>chp-8</i> )	If-else, Switch case
4	Input in java( <i>chp-6</i> )	Different types of input in java,Errors in java,Packages and Comments in java
5	Mathematical Library Methods( <i>ch-7</i> )	Methods of Math Class
6	Iterative Constructs in java( <i>chp-9</i> )	Different parts of loop,Categories of loop



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7	Nested Loops( <i>chp-10</i> )	Pattern Programs,Break and Continue
8	User Defined Methods(From class x book)	Ways to invoke method,Function-overloading,Pure and Impure methods

### PROJECT: Programs on JAVA

#### Practical Programs:

1. Write a menu driven program to input the radius ( r ), height (h) and calculate the following:

- a) Volume of sphere ( $V_s$ )  $= \frac{4}{3} \pi r^3$
- b) Volume of cylinder( $V_c$ )  $= \pi r^2 h$
- c) Volume of cone ( $V_{co}$ )  $= \pi r^2 h / 3$

2. Using switch case write a program to display the results of the following evaluations based on the user's choice.

- a) Square root of 9
- b) Absolute value of 126.4
- c) Print the smallest integer value greater than 56.7
- d) Print any value between 0 and 1.

3. The shop has announced the following scheme for its sales personnel according to the following criteria.

Number of Sales	Commission	Gift
Up to 50 products	5% on selling amount	A parker pen
51 to 75 products	7.5% on selling amount	A micro SD Card
76 to 100 products	10% on selling amount	A mobile
More than 100 products	15% on selling amount	A laptop

Write a program to input the sales and compute the commission and print the commission and the gift according to the given criteria

4. Write a program to input a number and check whether the number is Disarium number or not.

A number is called DISARIUM if sum of its digits powered with their respective positions is equal to the original number.

Some DISARIUM Nos are 89, 135, 175, 518

Eg: 135 is a DISARIUM number

Working:  $1 + 9 + 125 = 135$

5. Write a program to input a number and print the number is a Palindrome number or not.

6. Write a program to input a number and print the number is a Niven number or not.

7. Write a program to input a number and print the number is a Krishnamurthy number or not.

8. Write a menu driven to input n and print the sum of the following series:



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- i)  $S = x + X^2/2! + X^3/3! + \dots n \text{ terms}$   
 ii)  $1/13 - 1/23 + 1/33 - \dots 1/n3$

9. Write a program to input a number and print the number is duck number or not.

10. Write a program to print the sum of the following series:

$$S = 1/2! + 2/4! + 3/6! + \dots + 10/20!$$

11. Write a program to print the following:

$$S = (1) + (1+3) + (1+3+5) + \dots (1+3+5+\dots n^{\text{th}} \text{ term})$$

12. Pattern Programs:

i) 1  
2 3  
4 5 6  
7 8 9 10

ii) 1 1 1 1  
2 2 2  
3 3  
4

iii) \* \* \* \*  
\* \* \*  
\* \*  
\*

iv) 1 1 1 1  
1 1 1 1  
1 1 1 1  
1 1 1 1

v) 1  
2 2  
3 3 3  
4 4 4 4  
5 5 5 5 5

vi) 10 9 8 7  
6 5 4  
3 2  
1

vii) A  
B C  
D E F  
G H I J

viii) A  
B B  
C C  
D D D D  
5 4 3 2 1

iX) 1  
2 1  
3 2 1  
4 3 2 1  
1 0 1 0 1 0

x) 1  
1 0  
1 0 1  
1 0 1 0 1

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### ENGLISH LANGUAGE

UNIT 1:		
SL NO.	CHAPTERS	CONTENTS
1.	Notice writing	Writing Skill
2.	Email writing	Writing Skill
3.	Fill in with appropriate words	Number of sentences
4.	Do as Directed	Number of sentences
UNIT 2:		
1.	Letter Writing	Writing Skill
2.	Tense	Passage
3.	Connectors	Number of sentences
4.	Appropriate Words	Number of sentences
TERMINAL EXAM:		
SL NO.	CHAPTERS	CONTENTS
1.	Essay writing	Descriptive, narrative, argumentative, short story writing, picture composition
2.	Letter Writing	Formal and informal
3.	Notice	Formal informal
4.	Email	Formal and informal
5.	Comprehension	Reading the passage
6.	Use of correct tense	Passage with correct tense
7.	Fill in with appropriate words	No. of sentences
8.	Connectors	No. of sentences
9.	Do as Directed	No. of sentences
FINAL EXAM:		
SL NO.	CHAPTERS	CONTENTS
1.	Essay writing	Descriptive, narrative, argumentative, short story writing, picture composition
2.	Letter Writing	Formal and informal
3.	Notice writing	Formal and informal
4.	Email writing	Formal and informal
5.	Comprehension	Reading the passage
6.	Use of correct tense	Passage with correct tense



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7.	Fill in with appropriate words	No. of sentences
8.	Connectors	No. of sentences
9.	Do as Directed	No. of sentences

### ENGLISH LITERATURE

#### UNIT1:

SL NO.	CHAPTERS	CONCEPTS
1.	Bonks Babu;s friend	Miracle cash occurs to anyone
2.	Julius Caesar (Act III scene II)	The power and the ambitious nature
3.	A Work of Artifice	Social inequality
<b>UNIT2</b>		
1.	Oliver Asks for More	Negligence and hardship
2.	Julius Caesar (Act III Scene III)	The power and the ambitious nature
3.	Home. Coming	Each one should deserve equal respect and importance

#### TERMINAL:

SL NO.	CHAPTERS	CONCEPTS
1.	A Doctor's Journal Entry	War is devastating
2.	I remember, I Remember	Nostalgia
3.	The Night Mail	Descriptive images
4.	The Model Millionaire	Destiny can turn for anyone
5.	The Boy who broke the Bank	Rumours could be dangerous
6.	The last lesson	Importance of mother tongue
7.	Julius Caesar (Act IV)	The power and the ambitious nature
	<b>Project- The Last Lesson</b>	

#### FINAL:

SL NO.	CHAPTERS	CONCEPTS
1.	The Power of music	Absurd imagination
2.	When Great Trees Fall	The feeling of sadness accompanied with the great fall
3.	Haunted Houses	The existence of ghosts and their purpose
4.	With the Photographer	Acknowledging and loving yourself
5.	The Elevator	Hallucinations if the fear not being overcome



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6.	The Pedestrian	
7.	Julius ceasar (Act V)	
	<b>Project-The Pedestrian</b>	

### Biology

UNIT1:		
SL. NO.	CONTENT	CONCEPTS
1.	Basic Biology; cell and tissue (IX)	Cell(all details) Plant & animal tissues
2.	Skeleton(IX)	Functions & types; types of joints, muscles
UNIT2:		
1.	Seed(IX)	Fruit, seed( structure, germination, types etc)
2.	Endocrine system(X)	Different types of endocrine glands, hormones( secreted by all glands)

TERMINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Pollination and fertilization(IX)	Types, explanation, advantages & disadvantages, agents, characteristics features, fertilization
2.	Five Kingdom Classification(IX)	Brief outline of five kingdom classification, characteristics and examples of each kingdom/ phylum
3.	The Respiratory system(IX)	Respiratory system, organs, mechanism of breathing, tissue respiration, heat production.
4.	Absorption of Roots(X)	Absorption by roots, imbibition, diffusion & osmosis; osmotic & root pressure, turgidity and flaccidity, plasmolysis & deplasmolysis, absorption of water and minerals, active and passive transport
5.	Human Evolution(X)	Theories of evolution; human evolution, Lamarck's theory of inheritance, Darwin's theory of evolution by natural selection
	<b>Project- SKELETAL SYSTEM</b>	

FINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Respiration in Plants(IX)	Outline of the process, gaseous exchange, Glycolysis & Krebs cycle, aerobic & anaerobic



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		respiration
2.	Nutrition(IX)	Classification of food, balanced diet, malnutrition and deficiency diseases. Function and sources of different nutrients etc.
3.	Digestive system(IX)	Details of teeth, organs ; digestive glands and all details related to digestive system
4.	Skin(IX)	Structure and function of various parts of skin, sweat & sebaceous gland, hair, nails & mammary gland, heat regulation
5.	Structure of Chromosome, cell cycle and cell division (X)	Different phases of cell cycle, details of mitosis, meiosis & chromosomes
6.	The Excretory system (X)	Different excretory organs, external & internal structure of the kidney, details of urinary system, brief idea of ultra-filtration
	<b>Project- RESPIRATION IN PLANTS</b>	

### PRACTICAL:

1. To examine plant cell (onion peel)
2. Identify various parts of flower(Hibiscus sp.)
3. Structure of germinating seeds
4. Human cheek cell (study various components of cells)
5. To test the presence of starch
6. Identify specimens belonging to different groups of animals
7. Study different types of movable joints in human beings (chart/ model)
8. Study of human lungs (chart/model)
9. Study of structure of skin (chart/model)

### MATH

UNIT1:		
SL. NO.	CONTENT	CONCEPTS
1.	Factorisation	Finding out factors from Quadric Equation.
2.	Expansion	Expanding and Quadric Equation.
3.	Compound Interest	Calculating compound interest using formula.

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### UNIT2:

1.	INDICES	Application of indices law to solve arithmetic expression.
2.	Trigonometric Ratio	Introduction of Trigonometric ratio. Relation between trigonometric signs.
3.	Coordinate Geometry (X)	Distance formula

### TERMINAL:

SL. NO.	CONTENT	CONCEPTS
1.	Logarithm	Log function of indices
2.	Mensuration	Ex 16.1 ] Calculating area and Ex 16.2 ]perimeter of different polygon.
3.	Banking	Finding out GST and Banking terms.
4.	Irrational Numbers	Concept based proof drawing IR numbers on number line, Rationalising the denominator
5.	Simultaneous Linear Equation	Solving linear equation in two variables. Word Problem
6.	Triangle	Congruency- Prove congruence by different criteria.
	<b>PROJECT : BOX MAKING</b>	

### FINAL:

SL. NO.	CONTENT	CONCEPTS
1.		
2.	Theorems on Area	Learning only the theorem and doing based sums.
3.	Midpoint theorem	Learning the theorem and application of theorem in the problem.
4.	Circles (IX)	Full IX, angle property of circle.
5.	Central Tendency	Histogram Double Bar Graph Frequency Polygon
6.	Rectilinear Figure	Only proves of prallelogram and triangle on same base and same parallels.
	<b>PROJECT: MID - POINT THEOREM</b>	



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### PHYSICS

UNIT1:		
SL. NO.	CONTENT	CONCEPTS
1.	Motion in one dimension	Scalar vector quantities ,distance , speed ,velocity , acceleration , and various graphs and equations
2.	Laws of Motion	Newton's three laws of motions and their various phenomenon.
UNIT2:		
1.	Heat & Energy	Concepts of heat and temperature, anomalous expansion of water, Energy sources.
2.	Radioactivity (X)	Radioactivity and changes in the nucleus , nuclear fission and fusion.

TERMINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Reflection of light	Reflection of light , images formed by spherical mirrors.
2.	Propagation of sound (IX)	Nature of sound waves, Propagation and speed in different media.
3.	Current and Electricity (IX)	Simple electric circuit its types , potential difference, concept insulators and conductors.
4.	Calorimetry (X)	Calorimetry meaning, specific heat capacity, latent heat.
5.	Work, Energy and Power (x)	Work, energy, power and their relation with force.
	<b>Project : Laws of Motion</b>	

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FINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Pressure in fluids and Atmospheric Pressure	Changes of pressure with depth , transmission of pressure in liquids.
2.	Upthrust in fluid, Archimedes' Principle and Floatation.	Buoyancy, Archimedes principle, floatation, relationship with density, relative density, determination of relative density of a solid
3.	Magnetism	Induced magnetism, Magnetic field of Earth.
4.	Electric Current (X)	Ohm's law , Concepts of e.m.f, resistance, electrical power and energy.
5.	Propagation of sound (X)	Reflection of sound waves , echoes and their uses.
	<b>Project: Upthrust in fluid, Archimedes' Principle and Floatation.</b>	

### PRACTICAL

1. Determine the least count of the vernier caliper and measure the length of an object.
2. Determine the least count, pitch of the given screwgauge and measure the radius of a given wire.
3. Measure the length, breadth, and thickness of a glass block and calculate the volume of the block.
4. Measure the volume of a metal using measuring cylinder and water displacement method.
5. Calculate the time period by pendulum.
6. Relation between °C and °F ( Temperature of hot water).
7. Laws of reflection using plane mirror.
8. Magnetic lines of force.

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### Chemistry

UNIT1:		
SL. NO.	CONTENT	CONCEPTS
1.	The Language of Chemistry	Symbol, valency, formulae, radicals, balancing, RAM, RMM, percentage composition, calculations
2.	Chemical Changes and Reactions	Chemical change, characteristics and types of reactions, energy change
3.	Atomic Structure (excluding chemical bonding portion)	Structure of atom, subatomic particles, mass number, atomic number, isotope, octet rule, atomic models, chemical activity of an atom
UNIT2:		
1.	Study of Gas Laws	Behaviour of gases under changes of temperature and pressure, explanation in terms of molecular motion, Boyle's law, Charles' law, absolute zero, gas equation, calculations, graphs, relationship between kelvin and Celsius scale, STP
2.	Chemical Bonding (From IX + X Both Books)	Ionic, Covalent, Co-ordinate bond, orbital and Lewis structure, OILRIG concept

TERMINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Periodic Table (From IX + X Both Books)	Reason for classification of elements, laws, periodic properties and their variations in group and periods, periodicity, general trends, study of specific groups, uses
2.	Study of the First element – Hydrogen	Position, discovery, preparation, properties, activity series, reactions, uses, oxidation and reduction
3.	Water	Properties, universal solvent, solution, solubility, concentration of a solution, Crystallisation, hydrated and anhydrous substances, properties, drying and dehydrating agent soft water and hard water
4.	Chemical Bonding (From IX + X Both Books) (Repeat)	Ionic, Covalent, Co-ordinate bond, Lewis structure, OILRIG concept
5.	Study of Gas Laws (Repeat)	Behaviour of gases under changes of temperature and pressure, explanation in terms of molecular motion, Boyle's law, Charles' law, absolute zero, gas equation, calculations, graphs, relationship between kelvin and Celsius scale, STP

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	<b>Project- Study of Gas Laws</b>	
<b>FINAL:</b>		
<b>SL. NO.</b>	<b>CONTENT</b>	<b>CONCEPTS</b>
1.	Atmospheric Pollution	Air pollution, acid rain, global warming, ozone depletion
2.	Study of Compounds A. Hydrogen Chloride ( From Class X )	Occurrence, preparation, physical properties, chemical properties, uses
3.	Analytical Chemistry ( From class X )	Colour of salts, action of NaOH and NH <sub>4</sub> OH, action of alkalis on certain metals and metal oxides
4.	Electrolysis ( From class X )	Electrolytes and non-electrolytes, electrodes, electrochemical series, examples, applications
5.	Organic Chemistry ( page 183 – 196 up to Isomerism) ( From class X )	Organic compounds, hydrocarbons, nomenclature, isomerism, alcohol, carboxylic acids
6.	Periodic Table ( Repeat ) ( From Class X )	Reason for classification of elements, laws, periodic properties and their variations in group and periods, periodicity, general trends, study of specific groups, uses
7.	Chemical Bonding ( Repeat ) ( From class X )	Ionic, Covalent, Co- ordinate bond, orbital and Lewis structure, OILRIG concept
	<b>Project- Analytical Chemistry</b>	

### Practical –

- 1) Identification of gases by different methods
- 2) Action of heat on salts
- 3) Effect of dilute H<sub>2</sub>SO<sub>4</sub> on salts
- 4) Identification of metal ions in the given unknown salt by flame test
- 5) Experiments to test for hardness of water
- 6) Experiment to detect water pollution
- 7) Determination of percentage composition of a mixture

### Environmental Science

<b>UNIT1:</b>		
<b>SL. NO.</b>	<b>CONTENT</b>	<b>CONCEPTS</b>
1.	Understanding our environment	Define environmental science, Our main environmental problems, A global perspective of environmental problems, The root of environmental problems, A sustainable world.



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2.	Living things in ecosystem	Ecosystem, Habitat and ecological niche, How species interact with each other, Adapting to the environment
<b>UNIT2:</b>		
1.	How ecosystems work	Energy flow in ecosystems, The cycling of materials, How ecosystems change.
2.	Agriculture	Unsustainable patterns of modern industrialised agriculture, Environmental damage due to large farm units, Food mountains in developed countries, The Green Revolution

<b>TERMINAL:</b>		
SL. NO.	CONTENT	CONCEPTS
1.	Kinds of Ecosystems	Forests, Grasslands ,Deserts and Tundra, Freshwater ecosystems, Marine ecosystems, Biogeographic zones of India,
2.	Water	Our water resources, Freshwater pollution, Ocean pollution
3.	Air	Causes of air pollution, Thermal inversions, photochemical smog and acid precipitation, Impact of air pollution
4.	Atmosphere and climate	The atmosphere, Climate, Greenhouse earth, The Ozone layer
	<b>Project: any one threat to the local environment with suggestions as to how the impact of the threat could be gradually reduced.</b>	

<b>FINAL:</b>		
SL. NO.	CONTENT	CONCEPTS
1.	Soil and land	Deforestation, Soil erosion and desertification, Land pollution
2.	People	World poverty and gap between developed and developing countries, Poverty in developed countries, poverty in developing countries, The implications of poverty trap for the environment in developing countries.
3.	Urbanization	Causes of urbanization, Manifestations of urbanization, Social, economic and environmental problems
4.	Agriculture	Unsustainable patterns of modern industrialised agriculture, Environmental damage due to large farm units, Food

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		mountains in developed countries, The Green Revolution
5.	Controlling air pollution ( Class 10)	Domestic combustion, industrial pollution, vehicle emission control
6.	Addressing population ( Class 10)	Link between growing population and environmental degradation, demographic transition , poverty alleviation
	<b>Project : Urbanization</b>	

### Geography

UNIT1:		
SL. NO.	CONTENT	CONCEPTS
1.	Geographical Grid-latitudes and longitudes	<ul style="list-style-type: none"> <li>• Concept of latitude :Important latitudes, uses of latitudes</li> <li>• Concept of longitudes: Prime Meridian, International Dateline</li> <li>• Great circles and their use</li> <li>• Calculating time and distance from equator and Prime Meridian with the help of latitudes and</li> <li>• Longitudes</li> </ul>
2.	Rotation and revolution	<ul style="list-style-type: none"> <li>• Rotation: Direction, speed and effects</li> <li>• Revolution: Effects, the variation in the day and night and seasonal changes with Equinoxes and Solstices</li> </ul>
3.	Earth's Structure	<ul style="list-style-type: none"> <li>• Core, mantle, crust-meaning, extent and composition</li> </ul>
UNIT2:		
1.	Landforms of the Earth	<ul style="list-style-type: none"> <li>• Mountains, Plains, Plateaus–definition, types and formation</li> <li>• Examples from the World and India</li> </ul>
2.	Rocks	<ul style="list-style-type: none"> <li>• Rocks-Difference between minerals and rocks.</li> <li>• Different types of rocks.</li> <li>• Formation and the characteristics of rocks</li> <li>• Concept of Rock cycle</li> </ul>
TERMINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Volcanoes	<ul style="list-style-type: none"> <li>• Meaning and types of volcanoes</li> <li>• Effects-constructive and destructive</li> <li>• Important volcanic zones of the world</li> </ul>



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2.	Earthquakes	<ul style="list-style-type: none"> <li>• Meaning, causes and measurement of earthquake</li> <li>• Effects-constructive and destructive</li> <li>• Earthquake zones of the World</li> </ul>
3.	Weathering	<ul style="list-style-type: none"> <li>• Meaning, types and effects of weathering</li> <li>• Physical weathering, chemical weathering and biological weathering—causes and different forms</li> </ul>
4.	Denudation	<ul style="list-style-type: none"> <li>• Meaning and the agent of denudation</li> <li>• Stages of a river course and associated landforms</li> <li>• Different features formed by the action of wind</li> </ul>
5.	Hydrosphere	<ul style="list-style-type: none"> <li>• Meaning of hydrosphere</li> <li>• Formation and patterns of tide</li> <li>• Ocean currents –circulation pattern, types of currents and effects</li> </ul>
	<b>PROJECT:-Rocks</b> <b>Map Pointing-On the river map of the World.</b>	

FINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Composition and structure of the atmosphere	<ul style="list-style-type: none"> <li>• Layers of atmosphere</li> <li>• Their characteristics, extension and importance</li> <li>• Global warming and greenhouse effect-Causes, effects and mitigation</li> </ul>
2.	Insolation	<ul style="list-style-type: none"> <li>• Meaning of insulation and terrestrial radiation</li> <li>• Factors affecting temperature -latitude, altitude, distance from the sea ,slope of the land, winds and ocean currents</li> </ul>
3.	Atmospheric pressure and wind	<ul style="list-style-type: none"> <li>• Major pressure belts of the world</li> <li>• Factors affecting direction and velocity of the wind</li> <li>• Periodic winds, seasonal wind and local winds– names, extentions and importance</li> <li>• Variable winds– cyclones and anti cyclones</li> </ul>
4.	Humidity	<ul style="list-style-type: none"> <li>• Meaning and types of humidity</li> <li>• Condensation and precipitation— different forms</li> </ul>
5.	Pollution (sources and effects)	<ul style="list-style-type: none"> <li>• Effects of different types of pollution –on environment, on plants, on animals and on human</li> </ul>

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		health <ul style="list-style-type: none"> <li>• Carpools</li> <li>• Promotion of public transport</li> <li>• No smoking zone</li> <li>• Restriction on excessive use of fossil fuels</li> <li>• Encouragement of organic farming</li> </ul>
6.	Soil	<ul style="list-style-type: none"> <li>• Types of soils</li> <li>• Soil erosion—causes, prevention and conservation</li> </ul>
7.	Natural Vegetation	<ul style="list-style-type: none"> <li>• Importance of forests • Types of vegetation • Forest conservation</li> </ul>
	<b>PROJECTWORK:-</b> <b>Atmospheric pressure and wind</b> <b>MAP POINTING-</b> <b>World physical features.</b>	

### History

UNIT1:		
SL. NO.	CONTENT	CONCEPTS
1.	The Harappan Civilisation	Develop the first accurate system of standardised
2.	The Vedic Period	Knowing about the age
UNIT2:		
1.	Jainism and Buddhism	Knowing about that custom
2.	The Revolt of 1857	The great uprising
3.	Our Constitution and its Salient features	Knowing the constitution

TERMINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	The Mauryan Empire	Knowing about the Empire
2.	The Age of the Gupta	Knowing about the Age
3.	South India and the cholas	Knowing about the Cholas



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4.	The Delhi Sultanate	The Sultanate period
5.	The Great Mughals	The knowledge of the period
6.	Factors Promoting nationalism and the Foundation of the Indian national Congress	Nationalism
7.	Programmes and achievements of the early Nationalists	Knowing about the achievements
8.	Election	The procedure of its
9.	Union Parliament	Knowing the law making
	<b>Project- The Great Mughals</b>	

FINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Renaissance	The rebirth
2.	The Reformation	The changes came in the course
3.	The Industrial Revolution	The machineries and the new inventions
4.	The Rise of Assertives	The characteristics of the Assertives
5.	The partition of Bengal and the Swadeshi Movement	The partition that took place
6.	Factors leading to the formation of Muslim League	The factors for Muslim League
7.	Executive	The applying force beyond this
	<b>Project- The Industrial Revolution and the Reformation</b>	

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## 2<sup>nd</sup> Language - Bengali

UNIT1:		
SL. NO.	CONTENT	CONCEPTS
1.	লালু- (গল্প)	এক দুষ্ট ছেলের দুষ্টমির গল্প।
2.	বঙ্গভূমির প্রতি - (কবিতা)	বঙ্গমাতার প্রতি কবির ভালোবাসা, শ্রদ্ধা নিয়ে লেখা কবিতা।
3.	সমার্থক শব্দ - (ব্যাকরণ)	একই শব্দের অনেকগুলো মানে শেখা।
4.	উপসর্গ ও অনুসর্গ - (ব্যাকরণ)	কোনটি কোথায় বসে, কি কাজ এইসব শেখায়।
UNIT2:		
1.	সভ্যতার প্রতি (কবিতা)	-নগরকে নিয়ে প্রকৃতিকে ফিরিয়ে দেওয়ার করুন আবেদন নিয়ে লেখা কবিতা।
2.	গিনি (গল্প)	-স্কুলের এক শান্ত ছেলের সাথে ঘটে যাওয়া ঘটনাগুলো ও তার স্বভাব নিয়ে লেখা গল্প।
3.	বাক্য পরিবর্তন - (ব্যাকরণ)	বাক্য পরিবর্তন করার নিয়ম ও তার শ্রেণীবিভাগ এবং বিভিন্ন ক্ষেত্রে প্রয়োগ।

TERMINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	ক্যানভাসার - (গল্প)	হীরালাল ও ভৈরবের মাজন বিক্রির মজার ঘটনা।
2.	বামা - (গল্প)	গ্রামের এক সাহসী নারী বামার গল্প।
3.	নাম - (গল্প)	এক লোকের তার মার জন্য টান ও বৃদ্ধার সাথে তার মাতৃসুলভ সম্পর্ক নিয়ে গল্প।
4.	কুলি মজুর - (কবিতা)	চিরকাল ধরে অত্যাচারিত হয়ে আসা শ্রমিক শ্রেণীকে নিয়ে লেখা কবিতা।
5.	আবার আসিব ফিরে - (কবিতা)	কবির তার জন্মভূমির প্রতি টান ও বারবার ফিরে আসার ইচ্ছে নিয়ে লেখা কবিতা।
6.	সিঁড়ি (কবিতা)	অবহেলিত বাড়ির সিঁড়ি নিয়ে লেখা কবিতা।
7.	এক কথায় প্রকাশ - (ব্যাকরণ)	একটি কথায় শব্দের প্রকাশ বা সংকোচন।
8.	সমোচ্চারিত ভিন্নার্থক শব্দ - (ব্যাকরণ)	একই শব্দের ভিন্ন অর্থ সম্পর্কে শেখা।
9.	সাধু ও চলিত (ব্যাকরণ)	সাধু ভাষা ও চলিত ভাষা পরিবর্তন করার নিয়ম ও উদাহরণ।
10.	বিরামচিহ্ন - (ব্যাকরণ)	ছেদ যতি চিহ্নের সঠিক ব্যবহার।
11.	ধ্বন্যাৎমক শব্দ - (ব্যাকরণ)	বাস্তব ধ্বনির অনুকরণে তৈরী ধ্বনি ও প্রয়োগ।
12.	পত্র লিখন - (ব্যাকরণ)	পত্র রচনার নিয়মাবলী শিখিয়ে পত্র রচনার দক্ষতাকে যাচাই করা।
13.	উক্তি পরিবর্তন (ব্যাকরণ)-	প্রত্যক্ষ ও পরোক্ষ ভাবে উক্তি পরিবর্তন করার নিয়ম।
14.	বোধ পরীক্ষণ - (ব্যাকরণ)	কোনো পরিচ্ছেদ পরে তার সম্পর্কে প্রশ্ন উত্তর লিখতে সমর্থ হতে পারা।



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15.	অনুচ্ছেদ লিখন (ব্যাকরণ)	শিক্ষার্থীর লিখন দক্ষতা যাচাই করা এবং বিভিন্ন বিষয় সম্পর্কে ধারণা হওয়া
16.	প্রকল্প:- নাম-(গল্প)	

FINAL:		
SL. NO	CONTENT	CONCEPTS
1.	অসহযোগী-	দুষ্টছেলের মেনের বিপ্লবী হয়ে ওঠার গল্প।
2.	দেবতার জন্ম -	এক বিজ্ঞান মানসিকতায় বিশ্বাসী মানুষের কুসংস্কারী হয়ে ওঠার গল্প।
3.	নীল মানুষের কাহিনী -	রণজয়ের নীল মানুষ হয়ে যাওয়ার পর কি হয়েছিল সেই নিয়ে লেখা গল্প।
4.	অমলকান্তি -	কবির বন্ধু যে রোদুর হতে চেয়েছিলো কিস্তি শেষ পরিণতি কি হয়েছিল সেই নিয়ে লেখা কবিতা।
5.	রবীন্দ্রনাথের প্রতি -	দুর্দিনের রবীন্দ্রনাথকে স্মরণ করে লেখা কবিতা।
6.	ফুলফুট কনাফুটক -	বসন্তের আগমন, প্রাকৃতিক সৌন্দর্য নিয়ে লেখা কবিতা।
7.	বাচ্য পরিবর্তন -	কর্তা, কর্ম, এবং ক্রিয়ার ভাবে পরিবর্তন করা ও বাক্যকে প্রয়োগ করা শেখায়।
8.	অশুদ্ধি শোধন -	বাক্যের মধ্যে থাকা ভুল বানান
9.	শব্দের বিশিষ্ট প্রয়োগ	এক শব্দকে কতগুলো অর্থ ব্যবহার করতে পারি সেই বিষয়ে শিখবো।
10.	বাগধারা ও প্রবাদ -	প্রাচীন কাল থেকে চলে আসা কিছু প্রবাদ ও বাগধারা।
11.	বিপরীত শব্দ -	একটি শব্দের উল্টো মানে কিসেই সম্বন্ধে জানা
12.	বোধ পরীক্ষণ -	কোনো পরিচ্ছেদ পরে তার সম্পর্কে প্রশ্ন উত্তর লিখতে সমর্থ হতে পারা।
13.	পত্র লিখন -	পত্র রচনার নিয়মাবলী শিখিয়ে পত্র রচনার দক্ষতা কে যাচাই করা।
14.	অনুচ্ছেদ	শিক্ষার্থীর লিখন দক্ষতা যাচাই করা এবং বিভিন্ন বিষয় সম্পর্কে ধারণা হওয়া
15.	চিত্র লিখন -	শিক্ষার্থীর ভাবশক্তি রদক্ষতা যাচাই করা যায়
16.	প্রকল্প:- অসহযোগী(গল্প)	



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### 2<sup>nd</sup> Language – Hindi

UNIT1:		
SL. NO.	CONTENT	CONCEPTS
1.	कहानी- नेता जी का चश्मा	स्वदेश प्रेम, देश प्रेम का अर्थ
2.	कहानी- काकी	एक बच्चे की जिंदगी उसकी माँ के इर्द गिर्द ही घूमता है
3.	कहानी- बात अठनी की	रिश्तखोरी भी एक भ्रष्टाचार है
4.	कविता- साखी	व्यावहारिक ज्ञान
5.	कविता- स्वर्ग बना सकते हैं	सामाजिक विषमताओं को दूर करने की प्रेरणा
6.	कविता- भिक्षुक	समाज के शोषित व्यक्तियों को भी आज अधिकारों की प्राप्ति हो। जिससे इतिहास की रचना हो सके
7.	व्याकरण- अपठित गद्यांश गद्यांश	गद्यांश को पढ़कर प्रश्न का उत्तर देना।
8.	मुहावरे	अर्थ तथा प्रयोग
9.	अशुद्धि शोधन	वर्तनी, लिंग, वचन, कारक तथा पद संबंधी गलतियों को सुधारना
10.	अनेक शब्दों के लिए एक शब्द	वाक्यांश के लिए नए शब्दों का प्रयोग
11.	अनौपचारिक पत्र	व्यक्तिगत पत्र लिखने का ढांचा
12.	औपचारिक पत्र	व्यावसायिक पत्र लिखने का ढांचा

TERMINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	कहानी- महायज्ञ का पुरस्कार	परोपकार सबसे बड़ा धर्म है
2.	कहानी- अपना अपना भाग्य	जीवनभाग्य पर आधारित होता है
3.	कहानी- संदेह	संदेह जीवन को दुखी बना देता है
4.	कविता- विनय के पद	ईश्वर पर विश्वास रखने पर ईश्वर भी हमारी रक्षा करते हैं
5.	कविता- जन्मभूमि मेरी	देश-प्रेम, देश का विस्तार, तथा देश के इतिहास संबंधी जानकारी
6.	कविता- गिरिधर की कुंडलियाँ	व्यावहारिक ज्ञान
7.	व्याकरण- भाववाचक संज्ञा	संज्ञा, सर्वनाम, क्रिया विशेषण भाववाचक संज्ञा में परिवर्तन
8.	मुहावरे	अर्थ तथा प्रयोग
9.	वाक्य परिवर्तन	निर्देशानुसार वाक्य परिवर्तन
10.	विपरीत शब्द	विपरीत अर्थ रखने वाले शब्दों का ज्ञान
11.	अनौपचारिक पत्र	व्यक्तिगत पत्रलेखन
12.	औपचारिक पत्र	व्यावसायिक पत्र लेखन



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13.	परियोजना- कुंडली क्या है? पाठ्य कुंडलियों के अतिरिक्त पांच कुंडली को लिखकर उसका वर्णन कीजिए। ख) पुस्तक आपके जीवन में क्या मायने रखती है? आपकी पसंदीदा पुस्तक क्या है और उसके क्या कारण हैं।	
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FINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	कहानी- दो कलाकार	मित्रता, सामाजिक हित संबंधी कार्य
2.	कहानी- भेड़ भेड़िया	व्यंग विधा का ज्ञान तथा पिछड़ी सरकारी व्यवस्था को अवगत कराना।
3.	कहानी- भीड़ में खोया आदमी	जनसंख्या वृद्धि के दुष्परिणाम
4.	कहानी- बड़े घर की बेटी	संस्कार और शिक्षा हमें हमेशा अच्छाई की ओर ले जाती है।
5.	कविता- मेघ आए	बादल के आ जाने से हुए बदलाव
6.	कविता- सूर के पद	श्री कृष्ण के बचपन तथा श्रृंगाररस तथा वात्सल्यरस का ज्ञान
7.	कविता- चलना हमारा काम है	लक्ष्य तक पहुँचने की प्रेरणा
8.	कविता- मातृ मंदिर की ओर	देश-प्रेम, आशावादी सोच तथा सैनिकों में उत्साह भर देश।
9.	व्याकरण- अपठित गद्यांश	गद्यांश को पढ़कर प्रश्नों का उत्तर देना
10.	विशेषण	विशेषण में परिवर्तित करना
11.	मुहावरे	अर्थ तथा प्रयोग
12.	वाक्य परिवर्तन	निर्देशानुसार वाक्य में परिवर्तन
13.	निबंध	
14.	परियोजना- क) परिश्रम ही सफलता की कुंजी है। ख) काकी कहानी का कथनक को अपने शब्दों में लिखें। क्या यह कहानी सार्थक है इस संबंध में अपना विचार प्रस्तुत करें।	



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### ECONOMIC APPLICATION

UNIT1:		
SL. NO.	CONTENT	CONCEPTS
1.	Meaning and definition of economics	Definition of economics
2.	Basic concepts of economics	Human wants, consumption, utility, production, price, market, money, income, national income, savings, investment, wealth
UNIT2:		
1.	Economy and economic Entities	Meaning, simplex and complex economies, importance
2.	Basic problems of an economy	Economic problem, basic problems of economy, economic growth and development

TERMINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	The nature and the classification of an economy	Developed, developing and underdeveloped economies, types of economic systems, capitalist and socialistic economy and their differences, mixed economy
2.	Solutions to the basic economic problems in different economies	Solutions to capitalist, socialist and mixed economy
3.	The nature of Indian economy	The nature of Indian economy, developing economy and a mixed economy
4.	The sectors of Indian economy	Industry of origin, Indian agriculture, industrial sector, service sector, interrelationship between agriculture, industry and service sectors, private and public sectors, rural and urban sectors in India
5.	Impact of agriculture and industrial practices on the Ecosystem	Ecosystem, impact of agricultural practices on the ecosystem and industrial practices on the ecosystem, measures to check destruction of ecosystem

**Project: 1. Identify 100 consumers of major brands of edible oils in a locality/ area where you live. Draw up the pattern of their monthly expenditure on this product and compare it with the other household expenditure. Make a presentation of your findings in class.**

**2. Identify the major brands of bathing soaps that are available in the market in your area. Select a sample of 10 shops/ department stores that sell these brands and collect the sales of these brands over a period of one week at these shops. Identify the brands**



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that sell the most and make a presentation for your class.

FINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Infrastructure of the Indian economy	Economic and social infrastructure, components of economic infrastructure, transport, communication, energy, irrigation
2.	Social infrastructure of the Indian economy	Education, health and family welfare, housing
3.	Consumer awareness	Define consumer awareness, consumers' exploitation, reasons, rise of consumer awareness, legal measures, awareness of food Adulteration
4.	Globalisation	Define, effects, WTO
5.	Demand (class 10)	Meaning, determinants, law, movement, shift, elasticity, types of elasticity, exception, factors, types of demand, individual demand and market demand, factors affecting elasticity, degrees

**Project:**

1. Outline the main modes of transport in the district/city you live. What problems do you and other citizens face pertaining to the availability of public transport? Analyse.
2. What are the major items of export and imports from India in the last five years? Use secondary data sources and make out the changes that have taken place in this context.

### PHYSICAL EDUCATION

UNIT1:		
SL. NO.	CONTENT	CONCEPTS
1.	Skeletal System	<ul style="list-style-type: none"> <li>• Functions of the skeletal system</li> <li>• Classification of different types of joints</li> <li>• Types of joint movements and physical activities</li> <li>• Benefits of exercise on the skeletal system</li> </ul>
2.	Muscular System	<ul style="list-style-type: none"> <li>• Types of muscles</li> <li>• Identification of muscles</li> <li>• Benefits of exercise on the Muscular System</li> </ul>
UNIT2:		
1.	Respiratory System :	<ul style="list-style-type: none"> <li>• Pathway of air into the body</li> <li>• Mechanics of breathing</li> <li>• Oxygen Depth and Lactic Acid</li> </ul>

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		accumulation meaning only <ul style="list-style-type: none"> <li>• Second Wind</li> <li>• Vital Capacity and Tidal Volume.</li> </ul> Benefits of exercise on the Respiratory System.
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### TERMINAL:

SL. NO.	CONTENT	CONCEPTS
1.	Respiratory System	<ul style="list-style-type: none"> <li>• Pathway of air into the body</li> <li>• Mechanics of breathing</li> <li>• Oxygen Debt and Lactic Acid accumulation meaning only</li> <li>• Second Wind</li> <li>• Vital Capacity and Tidal Volume</li> <li>• Benefits of exercise on the Respiratory System</li> </ul>
2.	Circulatory System	<ul style="list-style-type: none"> <li>• Structure of heart</li> <li>• Heart rate, Stroke Volume, Cardiac output (meaning and difference)</li> <li>• Mechanism of Blood Circulation</li> <li>• BLOOD:               <ul style="list-style-type: none"> <li>[a] Composition of blood</li> <li>[b] Blood group</li> </ul> </li> <li>• Benefits of exercise on the Circulatory System</li> </ul>
3.	Games and Sports	<ul style="list-style-type: none"> <li>• History of Games and Sports.</li> <li>• Meaning of Games and Sports.</li> <li>• Difference between Games and Sports.</li> <li>• Components and Criteria of Games and Sports.</li> <li>• Meaning of Sport Sociology and Sport Psychology.</li> <li>• Psychological and Social Benefits of Games and Sports.</li> </ul>
4.	Any two of the following are to be studied: [Cricket, Football, Hockey, Basketball, Volleyball, Badminton ] ❖ Project: [1] Field Diagrams with Measurement. [2] Knowledge of the game. [3] Rules of the games Fundamental Skills and Techniques.	<ul style="list-style-type: none"> <li>• Rules of the games Fundamental Skills and Techniques</li> </ul>
	❖ Project:	•

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	<b>[1] Field Diagrams with Measurement.</b> <b>[2] Knowledge of the game.</b> <b>[3] Rules of the games Fundamental Skills and Techniques.</b>	
<b>FINAL:</b>		
<b>SL. NO.</b>	<b>CONTENT</b>	<b>CONCEPTS</b>
1.	Skeletal Systems	<ul style="list-style-type: none"> <li>• Functions of the skeletal system</li> <li>• Classification of different types of joints</li> <li>• Types of joint movements and physical activities</li> <li>• Benefits of exercise on the skeletal system</li> </ul>
2.	Muscular System	<ul style="list-style-type: none"> <li>• Types of muscles</li> <li>• Identification of muscles</li> <li>• Benefits of exercise on the Muscular System</li> </ul>
3.	Respiratory System	<ul style="list-style-type: none"> <li>• Pathway of air into the body</li> <li>• Mechanics of breathing</li> <li>• Oxygen Debt and Lactic Acid accumulation meaning only</li> <li>• Second Wind</li> <li>• Vital Capacity and Tidal Volume</li> <li>• Benefits of exercise on the Respiratory System</li> </ul>
4.	Circulatory System	<ul style="list-style-type: none"> <li>• Structure of heart</li> <li>• Heart Rate, Stroke Volume, Cardiac Output [meaning and difference ]</li> <li>• Mechanism of Blood Circulation</li> <li>• BLOOD:</li> </ul> <p>[a] Composition of blood [b] Blood group</p> <ul style="list-style-type: none"> <li>• Benefits of exercise on the Circulatory System</li> </ul>
5.	Games and Sports	<ul style="list-style-type: none"> <li>○ History of Games and Sports.</li> <li>• Meaning of Games and Sports.</li> <li>• Difference between Games and Sports.</li> <li>• Components and Criteria of Games and Sports.</li> <li>• Meaning of Sport Sociology and Sport Psychology.</li> <li>• Psychological and Social Benefits of Games and Sports.</li> </ul>
6.	Any two of the following are to be studied: (Cricket, Football, Hockey, Basketball, Volleyball,	<ul style="list-style-type: none"> <li>• Rules of the games Fundamental Skills and Techniques</li> </ul>

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	Badminton) ❖ Project: [1] Field Diagrams with Measurement. [2] Knowledge of the game.	
	<b>Project: Heart /Respiratory System diagram with labels and detailed explanations.</b>	
	<b>Practical : Rules of the games Fundamental Skills.</b>	

### Environmental Science

UNIT1:		
SL. NO.	CONTENT	CONCEPTS
1.	Understanding our environment	Define environmental science, Our main environmental problems, A global perspective of environmental problems, The root of environmental problems, A sustainable world.
2.	Living things in ecosystem	Ecosystem, Habitat and ecological niche, How species interact with each other, Adapting to the environment
UNIT2:		
1.	How ecosystems work	Energy flow in ecosystems, The cycling of materials, How ecosystems change.
2.	Agriculture	Unsustainable patterns of modern industrialised agriculture, Environmental damage due to large farm units, Food mountains in developed countries, The Green Revolution

TERMINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Kinds of Ecosystems	Forests, Grasslands, Deserts and Tundra, Freshwater ecosystems, Marine ecosystems, Biogeographic zones of India,
2.	Water	Our water resources, Freshwater pollution, Ocean pollution
3.	Air	Causes of air pollution, Thermal inversions, photochemical smog and acid precipitation, Impact of air pollution



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4.	Atmosphere and climate	The atmosphere, Climate, Greenhouse earth, The Ozone layer,
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**Project: any one threat to the local environment with suggestions as to how the impact of the threat could be gradually reduced.**

FINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Soil and land	Deforestation, Soil erosion and desertification, Land pollution
2.	People	World poverty and gap between developed and developing countries, Poverty in developed countries, poverty in developing countries, The implications of poverty trap for the environment in developing countries.
3.	Urbanization	Causes of urbanisation, Manifestations of urbanisation, Social, economic and environmental problems
4.	Agriculture	Unsustainable patterns of modern industrialised agriculture, Environmental damage due to large farm units, Food mountains in developed countries, The Green Revolution
5.	Controlling air pollution ( Class 10)	Domestic combustion, industrial pollution, vehicle emission control
6.	Addressing population ( Class 10)	Link between growing population and environmental degradation, demographic transition , poverty alleviation

**Project: Urbanization**

### Commercial Studies

UNIT1:		
SL. NO.	CONTENT	CONCEPTS
1.	Commercial activities a. Commercial and non commercial activities b. Types of commercial activities c. Business activities d. Non profit organizations e. Commerce	Meaning and difference with examples Meaning and features Meaning and characteristics Types of business activities Classification of industry Meaning and types with examples Meaning of commerce and its classification. i) Trade ii) Aids to trade
UNIT2:		
1.	Communication in commercial organizations	Meaning and process Role of communication in a commercial organization



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		Different methods of communication
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TERMINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Commercial organizations	Classification on the basis of ownership i) Private sector enterprise ii) Public sector enterprise iii) Joint sector enterprise
2.	Banking	Commercial banks- functions and types of accounts

**Project: To survey the origin and growth of a sole proprietorship in the city.**

FINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Important departments of a commercial organization	a. Production b. Purchasing and stores c. Marketing and sales d. Finance and accounting e. Human resources f. General administration, legal and compliance g. Management Information System
2.	Trade	a. Channels of distribution b. E-commerce and E-trade
3.	Social responsibility of commercial organizations towards the environment	E-waste management Recycling Afforestation Eco friendly products Legal compliance of environmental norms
4.	Introduction of accounting and book keeping	a. Meaning and objective b. Basic accounting terminology c. Basic accounting principles and concepts d. Journal e. Ledger f. Trial Balance g. Cash book

**Project: Visit a trading organization in your town. Find out the account books maintained by the organization. What accounting problems are faced by the organization?**

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### Drawing

TERMINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Busy life	
2.	Hill side	
3.	Foggy morning	

FINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Tea Garden	
2.	Marine life	
3.	Creative Drawing	

### SUPW

TERMINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Egg tray craft	
2.	Bottle planter	
3.	Earbud craft	

FINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	Quilling art	
2.	Paper handfan	
3.	Clay art	



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### Music

TERMINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	He is my everything	
2.	Ami ondhokarer jatri	
3.	Saraswati Vandana	

FINAL:		
SL. NO.	CONTENT	CONCEPTS
1.	This is the day	
2.	Mangaldeep jele	
3.	Tumhi ho mata tumhi pita ho	