

Subject Wise Syllabus (Session: 2022-23) Class - IX

Maths Teaching Aids 1. Charts 2. Model 3. CD 4. Computer 5. Projector 6. Geometry box	the sum of the two interiors opposite angles. 3. TRIANGLES: (Ch.-7) 1. (Motivate) Two triangles are congruent if any two sides and the included angle of one triangle is equal to any two sides and the included angle of the other triangle (SAS Congruence). 2. (Prove) Two triangles are congruent if any two angles and the included side of one triangle is equal to any two angles and the included side of the other triangle (ASA Congruence). 3. (Motivate) Two triangles are congruent if the three sides of one triangle are equal to three sides of the other triangle (SSS Congruence). 4. (Motivate) Two right triangles are congruent if the hypotenuse and a side of one triangle are equal (respectively) to the hypotenuse and a side of the other triangle (RHS congruence). 5. (Prove) The angles opposite to equal sides of a triangle are equal. 6. (Motivate) The sides opposite to equal angles of a triangle are equal. 7. (Motivate) Triangle inequalities and relation between 'angle and facing side' inequalities in triangles. UNIT V: MENSURATION 1. AREAS (Heron's Formula): (Ch.-12.) Area of a triangle using Heron's formula (without proof) and its application in finding the area of a quadrilateral. Tables: 2 to 35 (New students) , 2 to 40 (old students)	
	Physics Force and Newton's Laws: Force and motion, Newton's laws of motion. Inertia of a body, Inertia and Mass, Momentum, Force and Acceleration, Elementary idea of conservation of momentum, Action and reaction forces.	Chemistry Nature of Matter - Elements, compounds and Mixture. Heterogeneous and homogenous mixtures, colloids and suspensions. Practical: (i) (a) Preparation of true solution of common salt, sugar and alum. (b) Preparation of suspension of soil, chalk powder and fine sand in water. (c) A colloidal solution of starch in water, milk in water and egg albumin.
Science	Biology Unit : Organization in the living world: Diversity in Living Organisms : Biodiversity - Diversity of plants and animals - basic issues in scientific naming, basis of classification. Hierarchy of categories / groups, Major groups of plants (salient features) (Bacteria, Thallophyta, Bryophyta, Pteridophyta, Gymnosperms and Angiosperms). Major groups of animals (salient features) Non-chordates upto phyla and chordates upto classes. <i>Practical: 1. To study the characteristic of Spirogyra/Agaricus/Moss, Fern, Pinus (either male or female cone) and an Angiospermic plant. Draw and give two identifying features of groups they belong to. 2. To observe and draw the given pictures/charts/models/ specimens and draw earthworm, cockroach, bony fish and bird. For each specimen record. (a) One specific feature of its phylum. (b) one adaptive feature with reference to its habitat. 3. To study the external features of root, stem, leaf and flower of monocot and dicot plants.</i>	
S.St	History II. Socialism in Europe and the Russian Revolution: <input type="checkbox"/> The Age of Social Change <input type="checkbox"/> The Russian Revolution <input type="checkbox"/> The February Revolution in Petrograd <input type="checkbox"/> What Changed after October? <input type="checkbox"/> The Global Influence of the Russian Revolution and the USSR III. Nazism and the Rise of Hitler: <input type="checkbox"/> Birth of the Weimar Republic <input type="checkbox"/> Hitler's Rise to Power <input type="checkbox"/> The Nazi Worldview (Pg 49 to 61)	Political Science 2. Constitutional Design: <input type="checkbox"/> Democratic Constitution in South Africa <input type="checkbox"/> Why do we need a Constitution? <input type="checkbox"/> Making of the Indian Constitution <input type="checkbox"/> Guiding Values of the Indian Constitution

S.St	Geography 2. Physical Features of India: <input type="checkbox"/> Major Physiographic Divisions	Economics 1. The Story of Village Palampur: <input type="checkbox"/> Farming in Palampur <input type="checkbox"/> Nonfarm activities of Palampur (Pg 8 to 14) 2. People as Resource: <input type="checkbox"/> Overview <input type="checkbox"/> Economic activities by men and women (Pg 16 to 20)							
	Hindi	<table border="1"> <tr> <td> क्षितिज </td> <td> गद्य-खण्ड 2. राहुल सांकृत्यायन-लहासा की ओर पद्य-खण्ड 10. ललदयद-वाख 11. रसखान-सवैये </td> </tr> <tr> <td> कृतिका </td> <td> 3. जगदीश चंद्र माथुर – रीढ़ की हड्डी </td> </tr> <tr> <td> व्याकरण </td> <td> 3. अर्थ की दृष्टि से वाक्य भेद, </td> </tr> <tr> <td> रचना </td> <td> 2. संवाद – लेखन </td> </tr> </table>	क्षितिज	गद्य-खण्ड 2. राहुल सांकृत्यायन-लहासा की ओर पद्य-खण्ड 10. ललदयद-वाख 11. रसखान-सवैये	कृतिका	3. जगदीश चंद्र माथुर – रीढ़ की हड्डी	व्याकरण	3. अर्थ की दृष्टि से वाक्य भेद,	रचना
क्षितिज	गद्य-खण्ड 2. राहुल सांकृत्यायन-लहासा की ओर पद्य-खण्ड 10. ललदयद-वाख 11. रसखान-सवैये								
कृतिका	3. जगदीश चंद्र माथुर – रीढ़ की हड्डी								
व्याकरण	3. अर्थ की दृष्टि से वाक्य भेद,								
रचना	2. संवाद – लेखन								
I.T.	Part A: Ch – 1 Communication Skills-I: 1.2 Identify Elements of communication Cycle (Session 1 and session 2), 1.3 Identify the factors Affecting our Perspective in Communication (Session 1 and Session 2), Ch – 6 Introduction to IT-ITes Industry (Session 1 to 4), Ch – 7 Data Entry and Keyboarding Skills (Session 1 to 5)								
Art & Craft	4. All Drawingforms. 5. Fundamentals of Face 6. Proportion (1 st Method) 7. Proportion (2 nd Method) 8. Figures in Movement (Pg 8 to 12)								
Max. Marks : 20		Min. Marks : 07							
Time : 1.30 Hours									
Note for Exam. : Students will bring their next days examination books and notebooks									
Mid – Term Periodic Test + (Periodic Test + Pre-Mid-Term Periodic Test)									
English	Beehive	6. My Childhood + Revision: Periodic Test + Pre-Mid Term Periodic Test							
	Beehive (Poetry)	5. A Legend of the Northland Revision : Periodic Test + Pre-Mid Term Periodic Test							
	Moments	5. The Happy Prince Revision : Periodic Test + Pre – Mid Term Periodic Test							
	Grammar	4. Sub-Verb Concord Revision: Periodic Test + Pre-Mid Term Periodic Test							
	Workbook	Unit - 6, 7 Revision: Periodic Test + Pre-Mid Term Periodic Test							
	Writing	1. Descriptive Paragraph (Diary Entry) 2. Informal letter on given situation Revision: Periodic Test + Pre-Mid Term Periodic Test)							
Reading	1 Factual Passage 2. Discursive Passage								
Maths	UNIT I: NUMBER SYSTEMS - 1. REAL NUMBERS:- (Ch.-1.)Review of representation of natural numbers, integers, rational numbers on the number line. Representation of terminating/non-terminating recurring decimals, on the number line through successive magnification. Rational numbers as recurring/terminating decimals. Examples of nonrecurring/ non terminating decimals. Existence of non-rational numbers (irrational numbers) such as $\sqrt{2}$, $\sqrt{3}$ and their representation on the number line. Explaining that every real number is represented by a unique point on the number line and conversely, every point on the number line represents a unique real number. Definition of n th root of a real number. Recall of laws of exponents with integral powers. Rational exponents with positive real bases (to be done by particular cases, allowing learner to arrive at the general laws.) Rationalization (with precise meaning) of real numbers of the type $\frac{1}{a + b\sqrt{x}}$ & $\frac{1}{\sqrt{x} + \sqrt{y}}$ where x								
Teaching Aids 1. CD 2. Computer 3. Projector	and y are natural number and a, b are integers. Recall of laws of exponents with integral powers. Rational exponents with positive real bases (to be done by particular cases, allowing learner to arrive at the general laws.)								

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Maths	UNIT V: MENSURATION (Contd.) : 2. SURFACE AREAS AND VOLUMES: (Ch.-13.) Surface areas and volumes of cubes, cuboids, spheres (including hemispheres) and right circular cylinders/cones. Tables: (For Old Std. 2 to 40) , (For New std. 2 to 35)	
Science	Physics	Gravitation: Gravitation, Universal law of gravitation, Force of gravitation of the earth (gravity), Acceleration due to gravity, Mass and weight, free fall. Floatation: Thrust and Pressure. Archimedes' Principle; Buoyancy; Elementary idea of Relative Density. Practical: 1. Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder.
	Chemistry	Particle nature, basic units: Atoms and molecules, law of constant proportions, Atomic and molecular masses. Practical : (a) Preparation of mixture , compound using iron filings and sulphur powder by distinguishing between these. (b) To verify the law of conservation of mass in a chemical reaction.
	Biology	Unit: Organization in the living world: Tissues: Structure and functions of plant tissues (Meristematic and permanent) and Animal tissues, (Epithelial, Muscular, Connective and Nervous Tissue). Practical: To identify (a) parenchyma collenchyma and sclerenchyma tissues in plants, (b) striped, smooth and cardiac muscle fibers and nerve cells in animals, from prepared slides and to draw their labelled diagrams.
S.St.	Political Science	3. Electoral Politics: <input type="checkbox"/> Why Elections? <input type="checkbox"/> What is our System of Elections? <input type="checkbox"/> What makes elections in India democratic?
	Geography	3. Drainage: <input type="checkbox"/> Major rivers and tributaries <input type="checkbox"/> Lakes <input type="checkbox"/> Role of rivers in the economy <input type="checkbox"/> Pollution of rivers
	Economics	2. People as Resource: <input type="checkbox"/> Quality of Population <input type="checkbox"/> Unemployment (Pg 20 to 27)
Hindi	कित्तिज	गद्य-खण्ड 4. जाबिर हुसैन-सौवले सपनों की याद पद्य-खण्ड 12. माखनलाल चतुर्वेदी-कैदी और कोकिला
	कृतिका	दोहरान कार्य
	व्याकरण	4. उपसर्ग , 5. प्रत्यय
	रचना	3. अनुच्छेद-लेखन, 4. अपठित गद्यांश / काव्यांश
I.T.	Part A: Ch – 1 Communication Skills-1: 1.4: Demonstrate the knowledge of basic writing skills (Session 1 to Session 2), Ch-5 Green Skills: 5.1 Demonstrate the knowledge of the factors influencing natural resources conservation (Session 1 to Session 4), 5.2 Describe the importance of green economy and green skills (session 1 to Session 2) Part B: Digital Documentation (Elementary) (Session 1 to Session 6)	
Art & Craft	9. Figures in Simple Action Line 10. Light on the Basic Forms (Pg 15 to 16)	
Max. Marks : 60		
Min. Marks :20		
Time : 3.00 Hours		
Note for Exam. : Students will bring their next days examination books and notebooks.		

Post Mid - Term Periodic Test		
English	Beehive	7. Packing, 8. Reach for the Top
	Beehive (Poetry)	6. No Men Are Foreign 7. The Duck and the Kangaroo 8. On Killing a Tree
	Moments	6. Weathering the Storm in Ersama 7. The Last leaf 8. A House is Not a Home
	Grammar	5. Reported speech (a) Commands and requests (b) Statements (c) Questions.
	Workbook	Unit - 8, 9
	Writing	1. Informal letter on given situation 2. Story Writing
	Reading	1 Factual Passage 2. Discursive Passage
Maths	UNIT III: GEOMETRY (Contd.): 4. QUADRILATERALS: (Ch.-8.) 1. (Prove) The diagonal divides a parallelogram into two congruent triangles. 2. (Motivate) In a parallelogram opposite sides are equal, and conversely. 3. (Motivate) In a parallelogram opposite angles are equal, and conversely. 4. (Motivate) A quadrilateral is a parallelogram if a pair of its opposite sides is parallel and equal. 5. (Motivate) In a parallelogram, the diagonals bisect each other and conversely. 6. (Motivate) In a triangle, the line segment joining the mid points of any two sides is parallel to the third side and half of it and (motivate) its converse. 5. AREAS OF PARALLELOGRAMS AND TRIANGLES: (Ch.-9.) Review concept of area, recall area of a rectangle. 1. (Prove) Parallelograms on the same base and between the same parallels have the same area. 2. (Motivate) Triangles on the same base and between the same parallels are equal in area. 6. CIRCLES: (Ch.-10.) Through examples, arrive at definitions of circle related concepts, radius, circumference, diameter, chord, arc, secant, sector, segment, subtended angle. 1. (Prove) Equal chords of a circle subtend equal angles at the center and (motivate) its converse. 2. (Motivate) The perpendicular from the center of a circle to a chord bisects the chord and conversely, the line drawn through the center of a circle to bisect a chord is perpendicular to the chord. 3. (Motivate) There is one and only one circle passing through three given non-collinear points. 4. (Motivate) Equal chords of a circle (or of congruent circles) are equidistant from the center(s) and conversely. 5. (Prove) The angle subtended by an arc at the center is double the angle subtended by it at any point on the remaining part of the circle. 6. (Motivate) Angles in the same segment of a circle are equal. 7. (Motivate) If a line segment joining two points subtends equal angle at two other points lying on the same side of the line containing the segment, the four points lie on a circle. 8. (Motivate) The sum of the either pair of the opposite angles of a cyclic quadrilateral is 180° and its converse. 7. CONSTRUCTIONS: (Ch.-11.) 1. Construction of bisectors of line segments & angles of measure 60°, 90°, 45° etc., equilateral triangles. 2. Construction of a triangle given its base, sum/difference of the other two sides and one base angle. 3. Construction of a triangle of given perimeter and base angles. Tables 2 to 40	
Teaching Aids	1. CD 2. Computer 3. Projector 4. Geometry Box 5. Parallel Board	
Science	Physics	Work, Energy and Power: Work done by a force, Energy, Power , Kinetic Energy & Potential Energy, Law of Conservation of energy. Practical : 2. Establishing the relation between the loss in weight of a solid when fully immersed in (a) tap water (b) strongly salty water, with the weight of water displaced by it by taking at least two different solids.
	Chemistry	Particle nature and their basic units: Mole Concept: Relationship of mole to mass of the particles and numbers. Structure of atoms: Electrons, protons and neutrons. Practical:- (a) Iron with copper sulphate solution in water. (b) Burning of magnesium ribbon in air. (c) Zinc with dilute sulphuric acid.(d) Sodium sulphate with barium chloride in the form of their solutions in water. (e) Heating of copper sulphate crystals.

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Science	Biology	<p>Health and diseases: Why do we fall ill?:- Health and its failure. Infectious and Non-infectious diseases, their causes and manifestation. Diseases caused by microbes (virus, bacteria and protozoans) and their prevention, Principle of Treatment and Prevention pulse polio programmes. Our Environment: Physical Resources:- Air, Water, Soil, Importance of air, water and soil, Air, water and soil pollution (brief introduction). Holes in ozone layer and the probable damages. Bio-geochemical cycles in nature: water, oxygen, carbon, and nitrogen.</p>
S.St.	History	<p>III. Nazism and the Rise of Hitler: <input type="checkbox"/> Youth in Nazi Germany <input type="checkbox"/> Ordinary People and the Crimes Against Humanity (Pg 62 to 74) Section 2: Livelihoods, Economies and Societies: Any one theme of the following: IV. Forest Society and Colonialism: <input type="checkbox"/> Why Deforestation? <input type="checkbox"/> The Rise of Commercial Forestry <input type="checkbox"/> Rebellion in the Forest <input type="checkbox"/> Forest Transformations in Java</p>
	Political Science	<p>4. Working of Institutions: <input type="checkbox"/> How is the major policy decision taken? <input type="checkbox"/> Parliament <input type="checkbox"/> Political Executive <input type="checkbox"/> Judiciary</p>
	Geography	<p>4. Climate: <input type="checkbox"/> Concept <input type="checkbox"/> Climatic Controls <input type="checkbox"/> Factors influencing India's climate <input type="checkbox"/> The Indian Monsoon <input type="checkbox"/> Distribution of Rainfall <input type="checkbox"/> Monsoon as a unifying bond 5. Natural Vegetation and Wild Life: <input type="checkbox"/> Factors affecting Vegetation <input type="checkbox"/> Vegetation types <input type="checkbox"/> Wild Life <input type="checkbox"/> Conservation</p>
	Economics	<p>3. Poverty as a Challenge: <input type="checkbox"/> Two typical cases of poverty <input type="checkbox"/> Poverty as seen by Social Scientists <input type="checkbox"/> Poverty Estimates <input type="checkbox"/> Vulnerable Groups <input type="checkbox"/> Interstate disparities <input type="checkbox"/> Global Poverty Scenario <input type="checkbox"/> Causes of Poverty <input type="checkbox"/> Antipoverty measures <input type="checkbox"/> The Challenges Ahead 4. Food Security in India: <input type="checkbox"/> Overview <input type="checkbox"/> What is Food Security? <input type="checkbox"/> Why Food Security? <input type="checkbox"/> Who are food insecure? (Pg 42 to 46)</p>
Hindi	क्षितिज	<p>गद्य-खण्ड 5. चपला देवी- नाना साहब की पुत्री देवी मैना..... 6. हरिशंकर परसाई - प्रेमचंद के फटे जूते पद्य-खण्ड 14. केदारनाथ अग्रवाल-चंद्रगहना से लौटती बेर 15. सर्वेश्वरदयाल सक्सेना-मेघ आए</p>
	कृतिका	4. विद्यासागर नौटियाल - माटी वाली
	व्याकरण	6. समास, अलंकार, दोहरान कार्य
	रचना	7. लघुकथा - लेखन
I.T.		<p>Part A: Ch -1 Communication skills - I: 1.4 Demonstrate the knowledge of basic writing skills (Session 6 and Session 4), Ch - 4 Entrepreneurial Skills: 4.1 Identify various types of business activities (Session 1 to Session 3), 4.2 Demonstrate the knowledge of distinguishing characteristics of Entrepreneurship (Session 1 to Session 5) , Part B: Ch-9 Electronic Spread Sheet (Session 1 to Session 5)</p>

Art & Craft	11. Perspective of Shadow 12. Light and Shade 13. Making Picture 13. Light in a Picture, 14. Depth in a picture (Pg 18 to 24)
Max. Marks : 20 Min. Marks : 07 Time : 1.30 Hours	
Note for Exam. : Students will bring their next days examination books and notebooks	
Pre- Final Exam + (Post Mid – Term Periodic Test)	
English	<p>Beehive 9. The Bond of Love 10. Kathmandu 11. If I were you Beehive (Poetry) 9. The Snake Trying 10. A Slumber did My Spirit Seal Moments 9. The Accidental Tourist 10. The Beggar Grammar 6. Clauses 7. Determiners 8. Prepositions Workbook Unit - 10, 11 Writing 1. Descriptive Paragraph (Person, Place, Event, Diary entry etc.), 2. Story writing Reading 1 Factual Passage 2. Discursive Passage</p>
Maths Teaching Aids	<p>UNIT II : ALGEBRA (Contd.) 2. LINEAR EQUATIONS IN TWO VARIABLES: (Ch.-4.) Recall of linear equations in one variable. Introduction to the equation in two variables of the type $ax+by+c=0$. Explain that a linear equation in two variables has infinitely many solutions and justify their being written as ordered pairs of real numbers, plotting them and showing that they seem to lie on a line. Graph of linear equations in two variables. Examples, problems from real life, including problems on Ratio and Proportion and with algebraic and graphical solutions being done simultaneously. UNIT VI: STATISTICS AND PROBABILITY: 1. STATISTICS: (Ch.-14.) Introduction to Statistics : Collection of data, presentation of data — tabular form, ungrouped / grouped, bar graphs, histograms (with varying base lengths), frequency polygons, Mean, median, mode of ungrouped data. 2. PROBABILITY: (Ch.-15.) History, Repeated experiments and observed frequency approach to probability. Focus is on empirical probability. (A large amount of time to be devoted to group and to individual activities to motivate the concept; the experiments to be drawn from real - life situations, and from examples used in the chapter on statistics). Tables 2 to 40</p>
Science	<p>Physics Sound: Nature of sound and its propagation in various media, speed of sound. Range of hearing in humans, application of Ultrasound, reflection of sound, echo & SONAR , Structure of the human Ear (Auditory aspect only) Practical: 3. Determination of the speed of a pulse propagated through a stretched string / slinky (helical spring) 4. Verification of the laws of reflection of sound.</p>
	<p>Chemistry Structure of atom: Valency, Chemical formula of common compounds, Isotopes and Isobars.</p>
	<p>Biology Unit: Food: Food Production: Plant and animal breeding and selection for quality improvement and management; use of fertilizers and manures, Protection from pests and diseases; organic farming.</p>
S.St	<p>History V. Pastoralists in the Modern World: <input type="checkbox"/> Pastoral Nomads and their Movements <input type="checkbox"/> Colonial Rule and Pastoral Life <input type="checkbox"/> Pastoralism in Africa</p>
	<p>Political Science 5. Democratic Rights: <input type="checkbox"/> Life without rights <input type="checkbox"/> Rights in a Democracy <input type="checkbox"/> Rights in the Indian Constitution <input type="checkbox"/> Expanding the scope of rights</p>
	<p>Geography 6. Population:</p>

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S.St		<input type="checkbox"/> Size <input type="checkbox"/> Distribution <input type="checkbox"/> Population Growth and Process of Population Change
	Economics	4. Food Security in India: <input type="checkbox"/> Food Security in India <input type="checkbox"/> What is Buffer Stock? <input type="checkbox"/> What is the Public Distribution System? <input type="checkbox"/> Current Status of Public Distribution System (Pg 46 to 53)
Hindi	श्रुतलत	गदु-खणुड 7. डहलदुवु वरुडल- डुडु डडडन कु डलन डदु-खणुड 16. डुदुरकलंत डुवतललु - डडडरल कु डलशु 17. रलकुशु कुशुशु - डडुडु कलड डर कु रहु डु
	कुतलकल	दुडुहरलन कलरुडु
	वुडलकुरण/रुडनल	दुडुहरलन कलरुडु , अनुकुडुडु - लुखन, लघुकथल - लुखन, सुवलद -लुखन, डतुर - लुखन (लुडुडुडलरलक व अनुडुडुडलरलक)
I.T.	Part A: Ch – 1: Communication Skills–1: 1.4 Demonstration the knowledge of basic writing skills (Session 6 and Session 7) Ch–2 Self management Skills -1: 2.1 Describe the meaning and importance of self management (Session 1 and Session 2), 2.2 Identify the factors that helps in building self confidence (Session1) Ch–10 Digital Presentation (Session 1 to Session 7)	
Art & Craft	15. Model 16. Black and White 18. Light and Shade Contrast 19. Birds and Animals in Pen Work 20. Comics (pg 25 to 33)	
Max. Marks : 80		Min. Marks :27
Time : 3.00 Hours		
Note for Exam. : Students will bring their next days examination books and notebooks.		
Final Exam		
English	Revision of whole syllabus	
Maths	Revision of whole syllabus	
Science	Revision of whole syllabus	
S.St	Revision of whole syllabus	
Hindi	Revision of whole syllabus	
I.T.	Revision of whole syllabus	
Max. Marks : 80		Min. Marks :27
Time : 3.00 Hours		

S. NO	SUB	BOOKS NAME	PUBLISHER
1	COMP.	INFORMATION TECHNOLOGY	NCERT
2	DRAW	COMMERCIAL ART OF ALL	ARYA
3	ENG	ENGLISH GUIDE	NEW AGE INTERNATIONAL
4	ENG	WORDS & EXPRESSIONS 1 (WORK BOOK)	NCERT
5	ENG	BEEHIVE ENGLISH LITERATURE READER	NCERT
6	ENG	MOMENTS-SUPPLEMENTARY READER	NCERT
7	HINDI	GOLDEN HINDI GUIDE - (COURSE - A)	NEW AGE INTERNATIONAL
8	HINDI	KRITIKA	NCERT
9	HINDI	KSHITIJ	NCERT
10	HINDI	NAVYUG VAVHARIK VYAKARAN & RACHANA	LAXMI Pub.
11	MATHS	MATHEMATICS	NCERT
12	MATHS	MATHEMATICS EXEMPLAR	NCERT
13	MATHS	MATHEMATICS PRACTICAL & LAB MANUAL	RACHANA SAGAR
14	SC.	SCIENCE (BIOLOGY)	S.CHAND
15	SC.	SCIENCE (CHEMISTRY)	S.CHAND
16	SC.	SCIENCE (PHYSICS)	S.CHAND
17	SC.	SCIENCE PRACTICAL & LAB MANUAL -(BIO,PHY,CHE)	RACHANA SAGAR
18	SC.	SCIENCE (NCERT)	NCERT
19	SST	ECONOMICS	NCERT
20	SST	HISTORY (INDIA & THE CONTEMPORARY WORLD)-1	NCERT
21	SST	SOCIAL SCIENCE CONTEMPORARY-1	NCERT
22	SST	LAB MANUAL IN SOCIAL SCIENCE	EVERGREEN PUBLICATION (CANDID)
23	SST	SST.DEMOCRATIC POLITICS-1	NCERT

Instructions:-

1. Value Education consists of Moral Values, Manners & Etiquettes.
2. Value Education will be taught by the class teacher for 10 minutes in zero period everyday.