



## SUBJECT – ENGLISH

Month	Name of the topic	Aim/Objective
April	Reading: Unseen passage	To develop & sharpen the comprehension skills.
	Writing: Letter to the Editor	To enhance the ability of formal writing to give specific information within word limit.
	Grammar: Gap Filling, editing	To teach the proper use of grammatical structure in a meaningful context.
	Literature: First Flight:	
	Chapter 1 A Letter to God	To make students understand the importance of faith.
	Chapter-2: Nelson Mandela	To help children know that if there is a will there is a way.
	Poem 1: Dust of Snow	To make students think about different human emotions and their effects.
	Poem 2: Fire & Ice	To make children understand that 2 opposite forces are enough for destruction
	Poem 3: A Tiger in the Zoo	To understand the importance of freedom for animals as well
	FOOTPRINT WITHOUT FEET:	
May	Chapter 1: A Triumph of Surgery	To encourage the learners, express their own ideas in a creative way and give them knowledge of different kinds of pet animals. The effects of pampering
	Writing: Letter of complain about defective goods	To enhance the ability of formal writing to express information within word limit
	Grammar: Gap filling; Editing	To practice the proper use of grammatical structure in meaningful context.
	Literature: First Flight:	
	Chapter-3: Two Stories about flying	To make the children understand the importance of encouragement/motivation in life.
	Poem 4: How to tell Wild Animals	To enrich their vocabulary and knowledge about recognising some of the wild animals.
	Supplementary:	
July	Chapter 2: The Thief's Story	To enable the students that how a person can motivate other to change his nature.
	Chapter 3: The Midnight Visitor	To enable the student to think quickly and act wisely and calmly in the situation of danger.
	Reading: Unseen passage	To develop & sharpen the comprehension skills.
	Writing:	
	Letter of Enquiry	To teach how to write formally to make enquiry about anything with given inputs in limited words.
	Article writing base for Analytical para	To promote the habit of writing events with reference to personal expression in a creative way
	Grammar: Gap filling, Editing, Speech	To enhance the ability to understand & apply correct grammatical usage.
	Literature:	
	Chapter-4. From the Diary of Anne Frank	To make the students understand the power of non-fiction, memoir and personal observation.
	Poem 5: The Ball Poem	To enable the students, learn about the loss of something they love.
	Supplementary:	
	Chapter 4: A Question of Trust.	To enable the student to enrich their vocabulary and stir their thinking that trust is important no matter whichever be the field even robbery



<b>Aug</b>	Reading: Unseen passage	To develop & sharpen the comprehension skills.
	Writing:	
	Letter writing (placing an order)	To enhance the writing skills, enabling them to plan, organise & present ideas coherently.
	Grammar:	
	Voice - Procedure writing	To teach the proper use of different forms of verbs
	Literature:	
	Chapter-5 Glimpses of India	To enable the students to understand the British reign in India and teach them love and respect for the country.
	Poem 6: Amanda	To enable the students to understand and enjoy the theme and language by reading the poem.
	Supplementary:	
	Chapter 5: Footprints without feet	To enable the students to discriminate the good and evil and develop positive attitude towards the language.
<b>September</b>	Reading: Unseen passage	To develop & sharpen the comprehension skills.
	Writing:	
	letter writing /Analytical paragraphs	To enable the children to develop ideas on a given issues / situation in a convincing way.
	Grammar:	
	Reported speech	To understand the concept of speech where the tenses, word-order and pronouns may be different from those in the original sentence.
	Literature:	
	Chapter 6: Mijbil the Otter	To familiarize the students with the theme of the lessons and developing their speaking and summing up skills.
	Poem 7: The Tres	To enable the students, do a study of strengths and weaknesses of their own personality.
	Supplementary:	
	Chapter 6: The making of a scientist	To make them learn about Richard Ebright and his journey to become scientist and make them understand what biography is.
<b>October</b>	Reading: Unseen passage	To develop and sharpen the comprehension skills. TO ENHANCE VOCABULARY
	Writing:	
	Writing Formal Letter placing order	To teach the circulation of specific information & gather information to place proper order
	Grammar:	
	Omission / Editing	To acquaint the children with proper grammatical usage.
	Literature:	
	Chapter 7: Madam Rides the Bus	To Sensitize the Students to the Feelings Of An Individual.
	Poem 8: Fog	To make the students understand nature's uncaring attitude towards mankind.
	Supplementary:	
	Chapter 7: The Necklace	To help students summarize and analyse the story and then discuss key events and characters.
<b>November</b>	Reading: Unseen passage	
	Writing: Revision of all topics	
	Chapter-8: The Sermon of Benares	To Enable The students, have Spiritual outlook and sensitise them to the fact that death is the Ultimate truth in the World.
	Poem 9: The Tale of Custard the Dragon	To introduce the concept of reality within vs show off or pretension through play way method



	Supplementary:	
	Chapter-8 BHOLI	To Sensitise the Students to The Importance Of Education, Emotional Security And Family Support For Children.
	Chapter 9: The Book That Saved the Earth.	To introduce the concept of Aliens, Martians.
<b>December</b>	READING: Unseen passage	REVISION & PRACTICE
	WRITING -	
	Literature:	
	Chapter 9: The Proposal (Drama)	To give students knowledge of English language and let them enjoy the dialogue among themselves which creates a lot of Humour. To enable to students to stage a play.
	Poem 10: For Anne Gregory.	To make them understand their strengths and weaknesses and comprehend the poem on their own.
<b>Jan/Feb</b>	Reading: Unseen passage / poem	DOUBT CLEAR / PRACTICE & REVISION
	Writing:	
	Grammar: Revision	
	Literature: Revision	

### Exam Syllabus

Terminal	Half Yearly	Pre-Board I	Pre-Board II
<b>Reading:</b> 2 passages	<b>Reading:</b> 2 passages	<b>Reading:</b> 2 passages	<b>Reading:</b> 2 passages
<b>Writing:</b> Letter to editor Letter of complaint. (Defective good)	<b>Writing:</b> Letter of enquiry Placing order To civic authority	<b>Writing:</b> All letters & analytical paragraph	<b>Writing:</b> All letters & analytical paragraph
<b>Grammar:</b> Editing. Gap filling	<b>Grammar:</b> Editing; omission Gap filling	<b>Grammar:</b> Editing; omission Gap filling reported speech	<b>Grammar:</b> As per board directions
<b>Literature:</b> <b>First flight:</b> Ch -1 & 2 <b>Poems:</b> 1,2 & 3 <b>Footprints without feet:</b> Ch - 1,2 & 3	<b>Literature:</b> <b>First flight:</b> Ch- 1,2,3 & 4 <b>Poems:</b> 1,2,3,4,5 & 6 <b>Footprints without feet:</b> Ch - 1,2,3,4 & 5	<b>Literature:</b> <b>First flight:</b> Ch - 1,2,3,4,5,6 & 7 <b>Poems:</b> 1,2,3,4,5, 6 & 7 <b>Footprints without feet:</b> Ch - 1,2,3,4,5,6,7 & 8	<b>Literature:</b> (Complete syllabus) <b>First flight:</b> Ch - 1 to 9 <b>Poems:</b> 1 to 10 <b>Footprints without feet:</b> Ch - 1 to 9



## SUBJECT – HINDI

Month	Name of the Chapter	Objective/Aim	Project
अप्रैल	पाठ-1 पद पाठ- 10 नेताजी का चश्मा कृतिका-पाठ-1 माता का आँचल व्याकरण- रचना के आधार पर वाक्य -भेद ,अनुच्छेद ,पत्र, वज्ञापन,अलंकार ,संदेश -लेखन	1-छात्रों में भाषा के सभी कौशलों का विकास करना 2-हिन्दी साहित्य के भक्ति काल की वशेषताओं से परिचय करवाना ।	ग्रामीण जीवन शैली तथा शहरी जीवन शैली का तुलनात्मक अध्ययन करते हुए एक रिपोर्ट तैयार करना ।
मई	पाठ-2 राम लक्ष्मण परशु संवाद पाठ-11 बालगोबिन भगत , व्याकरण-वाच्य ,पद- परिचय,ई -मेल लेखन कृतिका-पाठ-3 साना-साना हाथ जोड़ी	छात्रों में भाषा के सभी कौशलों का विकास करना ,हिन्दी साहित्य के भक्ति काल की वशेषताओं से परिचय करवाना ।पद -परिचय की सहायता से छात्रों में व्याकरण संबंधी त्रुटियों का समाधान करवाना	भक्तिकाल के सगुण भक्ति धारा के कवियों के कृतित्व व्यक्तित्व पर आधारित पीपीटी बनवाना
जुलाई	पाठ-12लखनवी अंदाज़ ,आत्म-कथ्य व्याकरण-वाच्य ,अलंकार (श्लेष,उत्प्रेक्षा ,अतिशयोक्ति,मानवीकरण	काव्य-सौंदर्यके महत्वपूर्ण कारकों में अलंकारों की भूमिका बताना । कहानी लेखन तथा काव्य में काल्पनिकता की भूमिका का प्रतिपादन तथा औचित्य पर प्रकाश डालना ।	भारत के उत्तर पूर्वी राज्य संविधान पर एक प्रोजेक्ट तैयार करना ।
अगस्त	पाठ-14 एक कहानी यह भी पाठ-5 उत्साह,अट नहीं रही व्याकरण -पद-परिचय ,स्ववृत्त-लेखन	छात्रों के सर्वांगीण विकास हेतु स्ववृत्त व वज्ञापनों के महत्व को बताना तथा उनका दिन-प्रतिदिन के जीवन में उपयोग बताना	
सितम्बर	पाठ-16 नोबतखाने में इबादत ,व्याकरण- पद-परिचय ,अर्धवार्षिक परीक्षा- हेतु पुनरावृत्ति संदेश लेखन		
अक्टूबर	पाठ-6 यह दंतुरित मुस्कान, फसल पाठ-17 संस्कृति पाठ-9 संगतकार व्याकरण-वाक्य- भेद की पुनरावृत्ति कृतिका -पाठ-5 में क्यों लखता हूँ		प्राकृतिक आपदा अर्थ ,कारण,और निवारण पर एक परियोजना बनाना।
नवम्बर	प्री-बोर्ड हेतु पुनरावृत्ति कार्य ,अलंकार,पत्र,अनुच्छेद अपठित गद्यांश,पद्यांश वाक्य ,पद -परिचय आदि प्री-बोर्ड-2 हेतु पुनरावृत्ति कार्य ।		
दिसम्बर	पुनरावृत्ति		
जनवरी	पुनरावृत्ति		



### Exam Syllabus

प्रथम इकाई परीक्षा	अर्धवार्षिक-परीक्षा	प्री-बोर्ड-1	प्री-बोर्ड-2
पाठ-1 ,2,10,11 ( क्षतिज) पाठ-1,3 (कृतिका ) अपठित गद्यांश व पद्यांश अनुच्छेद पत्र, वज्ञापन,संदेश,अलंकार,वा च्य रचना के आधार पर वाक्य	पाठ--1 ,2,4,5,10,11,12,14, ( क्षतिज) पाठ-1,3 (कृतिका) अपठित गद्यांश व पद्यांश ,अनुच्छेद, पत्र, वज्ञापन,संदेश,अलंकार,वाच्य, रचना के आधार पर वाक्य,ई-मेल पद-परिचय स्ववृत्त-लेखन	पाठ 1,2,4,5,6,10,11,12,14,17 ( क्षतिज) पाठ-1,3,5 (कृतिका) अपठित गद्यांश व पद्यांश ,अनुच्छेद, पत्र, वज्ञापन,संदेश,अलंकार, वाच्य,रचना के आधार पर वाक्य,ई-मेल,पद-परिचय स्ववृत्त-लेखन	पाठ 1,2,4,5,6,9,10,11,12,14,17 ( क्षतिज) पाठ-1,3,5 (कृतिका) अपठित गद्यांश व पद्यांश,अनुच्छेद, पत्र, वज्ञापन,संदेश,अलंकार, वाच्य ,रचना के आधार पर वाक्य,ई-मेल,पद-परिचय स्ववृत्त-लेखन



## SUBJECT – SANSKRIT

Month		Ch. No.	Chapters	Learning Objectives
अप्रैल	खण्ड-क	पाठ - 1,	शेमुषी - शु चपर्यावरणम्, अव्यय, द्वन्द्व समास	छात्रों को पर्यावरण का महत्व समझाते हुए उन्हें पर्यावरण
मई	खण्ड-ख		सं ध, समास, अव्यय व्यंजनसं ध - प्रथमवर्ण को तृतीय वर्ण हो जाना । समास - अव्ययीभाव ,	स्वच्छता के प्रति जागरूक करना । व्यंजनों के परिवर्तन को स्पष्ट करते हुए छात्रों को व्यंजन सं ध का ज्ञान कराना । अव्यय शब्दों का बोध कराते हुए शब्दों
जुलाई	खण्ड-क	पाठ 2, 4	शेमुषी - बुद्धिर्बलवती सदा, शशुलालनम्	शब्दों के संक्षिप्तीकरण को समझाते हुए समा
अगस्त	खण्ड-ख	व्याकरण	व्यंजनसं ध - प्रथमवर्ण का पञ्चम वर्ण में परिवर्तन, समय, संख्या शशुलालनम्, प्रत्यय, तत्पुरुष समास	स ज्ञान कराना । छात्रों को व्यायाम के लाभों से परिचित कराना । समय का ज्ञान
	खण्ड-क	पाठ- 5, 6	जननी तुल्यवत्सला, वाच्यपरिवर्तन	संस्कृत भाषा के माध्यम से कराना । छात्रों को रामायण से संबंधित कुछ विशेष घटना क्रम की
सितंबर	खण्ड-ख	व्याकरण पाठ- अन्योक्तयः	सुभाषतानि, अशुद्ध संशोधन	जानकारी देना । छात्रों को दया प्रेम आदि भावों से अवगत कराते हुए सूक्तियों के
अक्टूबर	खण्ड-क	पाठ - 7, 8, 11	सौहार्द प्रकृतेः शोभा, पत्रलेखन	माध्यम से चारित्रिक गुणों का विकास करना । लकार ज्ञान कराते हुए वाच्य परिवर्तन से
नवम्बर	खण्ड-ख	व्याकरण	व चत्र : साक्षी, चत्रवर्णन, पत्रलेखन	अवगत कराना । छात्रों को प्राकृतिक सौंदर्य तथा प्रकृति के मातृत्व भाव से
दिसंबर	खण्ड क	पाठ - 9, 10,	सूक्तयः, अनुच्छेद लेखन,	अवगत कराना तथा छात्रों में लेखन कौशल का विकास करना । छात्रों को न्याय व्यवस्था से अवगत कराते हुए न्याय के प्रति
जनवरी	खण्ड ख	व्याकरण	वाक्यनिर्माण, पत्रलेखन	जागरूक करना । छात्रों में लेखन कौशल का विकास करना ।

### Exam Syllabus

प्रथम इकाई परीक्षा	अर्धवार्षिक-परीक्षा	प्री-बोर्ड-1	प्री-बोर्ड-2
पाठ 1, 2, 3, 4 पठित तथा अपठित गद्यांश पत्र, चत्रवर्णन व्यंजनसं ध, अव्ययीभाव समास द्वन्द्व समास, अव्यय शब्द, प्रत्यय, समय, संख्या	पाठ 1 से 6 तक, पत्र, चत्रवर्णन, वाक्यनिर्माण, सं ध, समास, अशुद्ध संशोधन, घटनाक्रम	पाठ 7, 8, 12, पठित तथा अपठित गद्यांश, पद्यांश, पत्र, चत्रवर्णन सं ध, समास, प्रत्यय, समय, अव्यय, संख्या, अशुद्ध संशोधनम्।	पाठ 7- 12, पठित तथा अपठित गद्यांश, पद्यांश, पत्र, चत्रवर्णन, अनुच्छेद वाक्य निर्माण सं ध, समास, प्रत्यय, अशुद्ध संशोधन अव्यय, समय, शब्दार्थ तथा घटना क्रमानुसार वाक्य चयन ।



## SUBJECT – MATHEMATICS

Month	Name of the Chapter	Learning Objective	Subject Enrichment Activities
March	Ch.1 Real Numbers	To make students aware of Fundamental Theorem of Arithmetic.	
April	Ch-1. Real Numbers (Cont....)	To learn about irrational and rational numbers.	
	Ch-2 Polynomials	To learn about the relation between the zeroes and coefficients of a polynomial	To obtain the zeroes of the polynomial through the graph.
	Ch-3 Linear Equations in Two Variables Ch-4 Quadratic Equation	1-To make students aware about graphical representation of linear equations. 2-To find the solution of linear equations by different methods. For example, Substitution method and Elimination Method.	To obtain the conditions for consistency of a system of linear equations in two variables by graphical method.
May	Ch-4 Quadratic Equation (Cont..)	1-To learn about standard form of quadratic equation. 2-Solution of quadratic equation by factorization, quadratic formula. 3- Relationship between discriminant and nature of roots	
	Ch-5 Arithmetic Progression	To learn about Arithmetic Progression, n the term of A.P., sum of first n terms of an A.P.	
	Ch-7 Co-ordinate Geometry	To make students describe locations of points in a plane and find distance between them, applying this and discuss different concepts.	To verify the distance formula by graphical method.
July	Ch-14 Probability	To make students able to learn about chance to win any situation.	To set the idea of probability of an event through a double color cards experiment.
	Ch-13 Statistics	To learn about Mean, Median and Mode of grouped data	
	Ch-6 Triangles	To learn about 1-Similar figure 2-Similarity of triangles and criteria for similarity of triangles and theorems based on above concepts	To verify B.P.T. by using the method of paper cutting and pasting.
August	Ch-6 Triangles (Cont..)		
	Ch-8 Introduction Of Trigonometry	To learn about 1-Trigonometric ratios 2-Trigonometric ratios of some specific angles 3-Trigonometric identities	
	Ch-9 Some application of trigonometry	To learn about angle of elevation and angle of depression and application of trigonometry to find the height and distance to day-to-day life.	
September	Ch-10 Circles	To learn about 1-Secant and tangent to a circle. 2-Number of tangent from a point on a circle 3-Properties of tangent to a circle	By using the method of paper cutting, pasting, and folding verify that the lengths of tangents drawn to a circle



			from an external point are equal.
	Revision and Half yearly		
<b>Oct</b>	Ch-10 Circles (Cont...) Ch -11 Area related to Circles.	To learn about 1-Areas of sector and segment of a circle. 2-Areas of combination of a plane figure.	
	Ch-12 Surface areas and Volume	To make students able to apply the knowledge about area of 2D figures to get the area and volume of 3D figures.	
<b>November</b>	Revision & Pre-Board I		
<b>December</b>	Revision & Pre-Board II		
<b>January</b>	Revision		
<b>February</b>	Revision		

### Exam Syllabus

Terminal	Half Yearly	Pre-Board I	Pre-Board II
Ch 1,2,3,4,5,7	Ch 1 to 9, 13 and 14	Whole syllabus	Whole syllabus





## SUBJECT – SCIENCE

Month	Name of the Chapter	Learning objectives	Lab Activities
<b>April</b>	Ch-1: Chemical reactions: Ch-5: Life processes  Ch-9: Light-Reflection and Refraction	To study balancing and implications of balanced chemical equations, different types of chemical reactions. To make students understand about the Basic concept of nutrition, respiration, transport, and excretion in plants and animals. To study the characteristics of image formation in plane mirrors, laws of reflection & refractions, differentiate between real and virtual images, observe the effect of refraction in daily life, compare the types of spherical mirror & lens, draw ray diagrams for image formation by Spherical Mirrors & lens (concave and convex), solve numerical using the mirror & lens formula and determine the power of the lens.	Performing and observing the following reactions and classifying 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 crystals (iii) Iron nails kept in copper sulphate solution (iv) Reaction between sodium sulphate and barium chloride solutions. Exp 1- To measure the rough focal length of (i) Convex lens (ii) Concave mirror
<b>May</b>	Ch-5: Life processes  Ch-2: Acids, bases, and salts  Ch-9: Light-Reflection and Refraction [Continue]	To make students understand about the Basic concept of nutrition, respiration, transport and excretion in plants and animals. To study and understand definitions of acids and bases in terms of furnishing of $H^+$ and $OH^-$ ions, their general properties, examples and uses, neutralization, concept of pH scale, importance of pH in everyday life; preparation and uses of Sodium Hydroxide, Bleaching powder, baking soda, Washing soda and Plaster of Paris.	Preparing a temporary mount of a leaf peel to show stomata. Experimentally show that carbon dioxide is given out during respiration. Finding the pH of the following samples by using pH paper/universal indicator: (i) Dilute Hydrochloric Acid (ii) Dilute NaOH solution (iii) Dilute Ethanoic Acid solution (iv) Lemon juice (v) Water (vi) Dilute Hydrogen Carbonate solution Studying the properties of acids and bases (HCl & NaOH) on the basis of their reaction with: a) Litmus solution (Blue/Red) b) Zinc metal c) Solid sodium carbonate Exp 2- To measure lateral displacement using glass slab.
<b>July</b>	Ch-6: Control and co-ordination in animals and plants	To study and learn tropic movements in plants; Introduction of plant hormones. Control and co-ordination in animals: to study human Nervous system; Voluntary, involuntary, and reflex action.	Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions: Unit-I i) $ZnSO_4(aq)$ ii) $FeSO_4(aq)$ iii) $CuSO_4(aq)$



	Ch-3: Metals and nonmetals  Ch-10: The Human Eye and the Colorful World	Chemical co-ordination: animal hormones To focus on Properties of metals and non-metals; Reactivity series; Formation and properties of ionic compounds; Basic metallurgical processes; Corrosion and its prevention. To study how white light is a mixture of colors and appreciate that the dispersion is caused by the difference in angles of deviation caused by a prism for different colors, correlate dispersion, refraction to certain observations in daily life and in nature like rainbow, learn about atmospheric refraction and scattering to certain observations in daily life and in nature like twinkling of stars, blue color of sky etc.	iv) $Al_2(SO_4)_3(aq)$ Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.  Exp 3- To measure angle of deviation using prism.
<b>August</b>	Ch-7: Reproduction  Ch-11: Electricity	To study Reproduction in animals and plants (asexual and sexual). To know about reproductive health – need and methods of family planning. Safe sex vs HIV/AIDS. Childbearing and women's health. To study about the electric current, potential difference, resistance, resistivity & power, deduce ohm's law & verify it experimentally, solve numerical on combination of resistors in series and parallel, derive and state the joules law of heating & solve numerical based on it, study the expression for electric power and derive commercial unit of electrical energy.	Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of prepared slides. Exp 4- To verify Ohm's law. Exp 5- To verify series and parallel combinations of various circuits.
<b>September</b>	Revision and Half Yearly Exams		
<b>October</b>	Ch-4: Carbon compounds         Ch-8: Heredity   Ch-12: Magnetics Effect of	To study Covalent bonding in carbon compounds. Versatile nature of carbon. Homologous series. Nomenclature of carbon compounds containing functional groups, Chemical properties of carbon compounds Ethanol and Ethanoic acid (only properties and uses), soaps and detergents. To understand Heredity; Mendel's contribution- Laws for inheritance of traits: Sex determination: brief introduction To study the concept of magnetic field & demonstrate its presence using a bar magnet, learn the properties of magnetic field lines, discuss the magnetic field around a straight current carrying conductor, a circular loop, a solenoid & an electromagnet, state & apply right hand thumb rule to find the direction of magnetic field, study the force on a current carrying conductor in a magnetic field, state & apply Fleming's left-hand rule to determine the direction of force produced, explain electromagnetic induction and state the	Study of the following properties of acetic acid (ethanoic acid): i) Odour ii) solubility in water iii) effect on litmus iv) reaction with Sodium Hydrogen Carbonate Study of the comparative cleaning capacity of a sample of soap in soft and hard water.  Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean). Exp 6- Draw magnetic field lines around bar magnet.



	Electric Current	Fleming's right-hand rule to determine the direction of induced current, study the construction, working and principle of an electric motor.	
<b>November</b>	Ch-13-Our environment  Revision & Preboard 1	To know about Eco-system, Environmental problems, Ozone depletion, waste production and their solutions. Biodegradable and non-biodegradable substances.	
<b>December</b>	Preboard 2		
<b>January</b>	Revision		

### Exam Syllabus

Terminal	Half Yearly	Pre-Board I	Pre-Board II
Ch 1,2,5,6,9,10	Ch-1,2,3,5,6,7,9,10,11	Whole syllabus	Whole syllabus



## SUBJECT – SOCIAL SCIENCE

Month	Subject	Chapter Name	Objective	Subject Enrichment	Project
<b>April</b>	History	Nationalism In India	Recognize the characteristics of Indian nationalism through a case study of Non-Cooperation and Civil Disobedience Movement. • Analyze the nature of the diverse social movements of the time. • Familiarize with the writings and ideals of different political groups and individuals.	Map work: locating and labelling/ identification 1. Indian National Congress Sessions	C.B.S.E. Project (anyone)
	Civics	Power Sharing	Familiarize with the centrality of power sharing in a democracy.		
	Geography	Resources And Development	The value of resources – land, soil and their judicious utilization and conservation. The importance of forest and wildlife to our environment.	Map work	Social Issues
	Economics	Development	To understand the meaning of development. Goals of development		Consumer Awareness
<b>May</b>	History	1. Rise of Nationalism In Europe	Enable the learners to identify and comprehend the forms in which nationalism developed along with the formation of nation states in Europe in the post-1830 period. • Establish the relationship and bring out the difference between European nationalism and anticolonial nationalisms. • Understand the way the idea of nationalism emerged and led to the formation of nation states in Europe and elsewhere.	Mind map and timeline of that area	
	Civics	1.Power Sharing			
	Geography	1.Resources and Development 2.Forest and Wildlife		Map work	Sustainable Development
	Economics	Ch1 Development	Concept of National and Per capita income and measures to compare countries –income & HDI		
<b>July</b>	History	3the Making of A Global World	Show that globalization has a long history and point to the shifts within the process. • Analyze the implication of globalization for local economies. • Discuss how globalization is experienced differently by different social groups.		



	Civics	2.Federalism	Analyze federal provisions and institutions. • Explain decentralization in rural and urban areas.		
	Geography	2.Forest and Wildlife 3.Water Resources	Importance of water as a resource, to develop awareness towards its use and conservation	Map work	
	Economics	2.Sectors of Indian Economy	To understand the Classification of various sectors on the basis of economic activities and ownership-Primary, secondary, and tertiary sector. Public and private sector		
<b>August</b>	History	4.The Age of Industrialization	Familiarize with the Pro-to Industrial phase and Early – factory system. • Familiarize with the process of industrialization and its impact on labor class. • Enable them to understand industrialization in the colonies with reference to Textile industries.		
	Civics	4.Gender, Religion and Caste	Identify and analyze the challenges posed by communalism to Indian democracy. • Recognize the enabling and disabling effects of caste and ethnicity in politics. • Develop a gender perspective on politics.		
	Geography	4.Agriculture	To identify various types of farming methods used and distribution of major crops.		
	Economics	2.Sectors of Indian Economy	Classification of various sectors on the basis of working conditions – organized unorganized sector. Various ways to create more employment.		
<b>September</b>	History	6.Political Parties	Analyze party systems in democracies. introduction to major political parties, challenges faced by them and reforms in the country.		
	History	Revision			
	Civics	Revision			
	Geography	5.Mineral and Energy Resources Revision	Discuss various types of Conventional and Nonconventional resources. Minerals, their utilization, and distribution.	Map work	
	Economics	3.Money and Credit	Meaning & forms of money. Loans activities of banks. Terms of credit		
<b>October</b>	History	5.Print, Culture and The Modern World	Identify the link between print culture and the circulation of ideas. • Familiarize with pictures, cartoons, extracts from propaganda literature and newspaper debates on important events and issues in the past. •		



			Understand that forms of writing have a specific history, and that they reflect historical changes within society and shape the forces of change.		
	Civics	7.Outcomes of Democracy	Evaluate the functioning of democracies in comparison to alternative forms of governments. • Understand the causes for continuation of democracy in India. • Distinguish between sources of strengths and weaknesses of Indian democracy		
	Geography	6.Manufacturing Industries 7.Lifelines of National Economy	Discuss about the importance of industries in the development of a nation, causes and measures to control industrial pollution.	Map work	
	Economics	Globalization And the Indian Economy	Production across countries. Interlinking production across countries Foreign Trade and integration of Markets What is Globalization? Factors that have enabled globalization. World Trade Organization Impact of Globalization on India The Struggle for a fair Globalization		
<b>November</b>	Geography	7.Lifelines of National Economy	Discuss about the importance of transport, communication, and trade in the development of a country.	Map work	
<b>December</b>	Social Science	Pre-Board Exam	Complete syllabus		
<b>January</b>	Social Science	Pre-Board Exam	Complete syllabus		

### Exam Syllabus

Terminal	Half Yearly	Pre-Board I	Pre-Board II
History: Ch 1,2 Civics: Ch 1 Geography: Ch 1 Economics: Ch 1	History: Ch 1,2,3 Civics: Ch 1,2,4 Geography: Ch 2,3 Economics: Ch 2	History: Complete Syllabus Civics: Complete Syllabus Geography: Ch 1-4 Economics: Ch 1-3	Whole syllabus



## **SUBJECT – ARTIFICIAL INTELLIGENCE**

Month	Unit Name	Chapter Name	Sub-Unit	Learning Outcomes
<b>April &amp; May</b>	PART-A: Employability Skills	Unit 1: Communication Skills-II		Students will be able to understand and apply knowledge of human communication and language processes as they occur across various contexts, e.g., interpersonal, intrapersonal, small group, organizational, media, gender, family, intercultural communication, technologically mediated communication, etc.
	PART-B – Subject Specific Skills	Unit 1: Introduction to Artificial Intelligence (AI)	1. Introducing AI, ML & DL. 2. Introduction to AI Domains (Data Sciences, CV & NLP)	Understand the concept of human intelligence and its various components such as reasoning, problem-solving, and creativity. Artificial Intelligence (AI) and its domains
<b>July</b>	PART-B – Subject Specific Skills	Unit 2: Ai Project Cycle	<ul style="list-style-type: none"> <li>• Problem Scoping</li> <li>• Data Acquisition</li> <li>• Data Exploration</li> <li>• Modeling</li> <li>• Evaluation</li> </ul>	Students will be able to: <ul style="list-style-type: none"> <li>• Identify the AI Project Cycle framework.</li> <li>• Learn How to acquire data and ways to set goals for an AI project.</li> <li>• Exploring data involved in the problem scoped.</li> <li>• Brainstorm on the ethical issues involved around the problem selected.</li> <li>• Understand the iterative nature of AI project cycle. Foresee the kind of data required and the kind of analysis to be done.</li> </ul>
	PART-A: Employability Skills	Unit 2: Self-Management Skills-II		Students will be able to Understand meaning and importance of stress management & Apply stress management techniques.
<b>August</b>	PART-A: Employability Skills	Unit 3: ICT Skills-II		Students will be able to: <ul style="list-style-type: none"> <li>• Describe the role of ICT in day-to-day life.</li> <li>• Types of operating System.</li> <li>• Understand desktop appearance, icons, and taskbar.</li> <li>• Perform basic Computer operations.</li> <li>• Viruses and anti-viruses' usage. Creating Files and folders.</li> </ul>
		Unit 4: Entrepreneurial Skills-II	-	Students will be able to establish a foundation of confidence in the skills necessary to cause others to act.
	PART-B – Subject Specific Skills	Unit 4: Data Science	1. Introduction to Data Science 2. Applications of Data Science	Students will be able to define the concept of Data Science and understand its applications in various fields. They will be able to understand the basic concepts of data acquisition, visualization, and exploration.
<b>September</b>	Revision And Half Yearly Examination			





<b>October</b>	PART-B – Subject Specific Skills	Unit 5: Computer Vision		Students will be able to define the concept of Computer Vision and understand its applications in various fields. They will understand the basic concepts of image representation, feature extraction, object detection, and segmentation.
		Unit 6: Natural Language Processing		Students will be able to : <ul style="list-style-type: none"> <li>• Understand the concept of Natural Language Processing (NLP) and its importance in the field of Artificial Intelligence (AI).</li> <li>• Explore the various applications of NLP in everyday life, such as chatbots, sentiment analysis, and automatic summarization</li> <li>• Gain an understanding of the challenges involved in understanding human language by machine.</li> <li>• Learn about the Text Normalization technique used in NLP and popular NLP model - Bag-of-Words</li> </ul>
		Unit 7: Evaluation		Students will be able to : <ul style="list-style-type: none"> <li>• Understand the role of evaluation in the development and implementation of AI systems.</li> <li>• Learn various Model Evaluation Terminologies.</li> <li>• Learn to make a confusion matrix for given Scenario</li> <li>• Learn about the different types of evaluation techniques in AI, such as Accuracy, Precision, Recall and F1 Score, and their significance.</li> </ul>
<b>November</b>	Part A Employability Skills	Unit 5: Green Skills-II		Understand the basic sustainability concepts of homeostasis, carrying-capacity, cradle-to-grave recycling, evolutionary processes
	PART-C – PRACTICAL	Unit 3: Advance Python		Understand how iterations and generators work. Learn modern data structures to include collections, array, and queues. Use platform independent file manipulation, file pattern matching.
<b>December</b>	PART-D – Project Work / Field Visit / Practical File/ Student Portfolio Viva Voce			
<b>January</b>	Preboard Examinations			
<b>February</b>	Board Examinations			

### Exam Syllabus

Terminal	Half Yearly	Pre-Board I	Pre-Board II
Part A (Employability Skills) Unit 1: Communication Skills-II Part B (Subject Specific Skills)	Part A (Employability Skills) Unit 1: Communication Skills-II Unit 2: Self-Management Skills-I Unit 3: ICT Skills-I	Part A (Employability Skills) Unit 1: Communication Skills-II Unit 2: Self-Management Skills-I Unit 3: ICT Skills-I	Part A (Employability Skills) Unit 1: Communication Skills-II Unit 2: Self-Management Skills-I Unit 3: ICT Skills-I





Unit 1: Introduction to Artificial Intelligence (Ai)	Part B (Subject Specific Skills) Unit 1: Introduction to Artificial Intelligence (Ai) Unit 2: Ai Project Cycle Unit 4: Data Science	Unit 4: Entrepreneurial Skills-I Unit 5: Green Skills-II Part B (Subject Specific Skills) Unit 1: Introduction to Artificial Intelligence (Ai) Unit 2: Ai Project Cycle Unit 4: Data Science Unit 5: Computer Vision Unit 6: Natural Language Processing Unit 7: Evaluation	Unit 4: Entrepreneurial Skills-I Unit 5: Green Skills-II Part B (Subject Specific Skills) Unit 1: Introduction to Artificial Intelligence (Ai) Unit 2: Ai Project Cycle Unit 4: Data Science Unit 5: Computer Vision Unit 6: Natural Language Processing Unit 7: Evaluation
--	--	---	---



## SUBJECT – COMPUTERS

Month	Ch. No. & Name	Learning Objective	Practicals
<b>April</b>	Ch – 1 About Python	Familiarization with the basics of Python, features, advantages, disadvantages, how to install python, Python IDLE, Exiting Python, Tokens, Variables, Modes of Python	Program to print hello on the screen. Program to print student information on screen.
<b>May</b>	Ch – 2 Learning Python	Variables, Keywords, expressions, Operators & its types, Indentation, Tokens, Comments process of writing a program, running it, and print statements; simple datatypes: integer, float, string	Program to print addition, multiplication, division, and subtraction of two numbers
<b>July</b>	Ch – 3 Learning Conditional Statements	Conditional statements: if, if-else, if-elif-else; simple programs: e.g.: absolute value, sort 3 numbers, and divisibility.	Program to print voting age of a person
<b>August</b>	Ch – 4 Learning loops/ Iterative statements	Notion of iterative computation and control flow: for, while, Nested loop, jump Statements- break, continue & pass.	Program to print Factorial of a number Sum of ten numbers
<b>September</b>	Half Yearly Examination		
<b>October</b>	Ch – 5 Functions in Python Ch-6 Strings in Python	Understanding the fundamental rules, use of identifiers, syntax of a language. Explanation of user defined functions and built in functions. Strings: compare, concatenation, substring; notion of states and transitions using state transition diagrams.	Program to implement various functions
<b>November</b>	Ch – 7 List in Python	Lists: finding the maximum, minimum, mean; linear search on list/tuple of numbers, and counting the frequency of elements in a list.	Program to print list, List slicing Functions of list
<b>December</b>	Ch – 8 Tuples & Dictionary in Python	Tuples and dictionary: finding the maximum, minimum, mean; linear search on list/tuple of numbers, and counting the frequency of elements in a list using a dictionary. Introduce the notion of accessing elements in a collection using numbers and names.	Creation of dictionaries and apply different functions on it.

### Exam Syllabus

Half Yearly
Ch – 1 to 4



## **SUBJECT – ART**

<b>Month</b>	<b>Topic</b>
<b>April</b>	Study of visual resources and means of creative expression.
<b>May</b>	Study of lines, strokes, colors, shades, tones, textures, etc. while organizing two-dimensional space with two dimensional and three-dimensional shapes and forms.
<b>July</b>	Sketching from nature and surroundings.
<b>August</b>	Creative use of colors to show space, atmosphere, subjective moods.
<b>September</b>	Creative use of perspective in spatial relationships.
<b>October</b>	Study of calligraphic strokes of Devnagari and Roman alphabet (Scripts).
<b>November</b>	Use of contrast as an expressive element of art.
<b>December</b>	Study and use of various media and techniques to the extent of their availability.
<b>January</b>	Revision

### **Exam Syllabus**

<b>Half Yearly</b>
Still life composition, Nature study, Indian folk art



## SUBJECT – VPA

Month	Category	Music	Syllabus
<b>April</b>	Theory		Short questions based on Music vocal (1-15)
	Practical	VOCAL	Sargam, semi classical song
		DANCE	Basic Exercise & Basic steps of Invocation dance
		INSTRUMENTAL	Introduction of the instruments & Basic technique
			of holding the instrument and fingering
		THEATRE	Introduction, Drama its relation to education Movement & Rhythm (Physical Development)
<b>May</b>	Theory		Short questions based on rhythm & dance (16-30)
	Practical	VOCAL	Sargam, Motivational song
		DANCE	Basic Exercise & Basic Foot Work of Invocation Dance
		INSTRUMENTAL	Basic knowledge of Aaroh, Avroh, Alankars
			Fingering of instruments & Five rhythm stroke pattern
		THEATRE	Voice and Speech Work (Language Development}
<b>July</b>	Theory		Short questions based on dance & Theatre (31-40)
	Practical	VOCAL	Alankar & Patriotic song
		DANCE	Invocation dance (Formation with dance steps)
		INSTRUMENTAL	Practice of previous work
		THEATRE	Games & Exercises for Sensory and Motor Development Games & Exercises for Emotional and Aesthetic Development
<b>August</b>	Theory		short questions 41 -60
	Practical	VOCAL	Practice of previous work
		DANCE	Practice of previous work
		INSTRUMENTAL	Practice of previous work
		THEATRE	Introduction of Role Play, Developing Characters, Pantomime
<b>September</b>			Half Yearly Examination
			Questions 1 to 60 and Practical Examination.
<b>October</b>	Theory		Short questions based on Music Vocal (61-80)
	Practical	VOCAL	Alankar & Invocation song
		DANCE	Basic Exercise & Basic steps of Patriotic dance
		INSTRUMENTAL	Working knowledge of playing Hollywood
			Songs with rhythm
		THEATRE	Improvisation, exploring Social Issues, Street Play
<b>November</b>	Theory		Short questions based on rhythms (81-100)
	Practical	VOCAL	Practice of previous songs
		DANCE	Basic Exercise & Basic footwork of Theme Dance
		INSTRUMENTAL	Practice of Playing Hollywood songs with rhythm
		THEATRE	Creating Plays from other sources & poetry
<b>December</b>	Theory		Short questions based on dance & Theatre (101-120)
	Practical	VOCAL	Alankar & Song on sports
		DANCE	Patriotic dance (Formation with dance steps)



<b>January</b>		INSTRUMENTAL	Practice of Playing Hollywood songs with rhythm
		THEATRE	About Set, Light and Sound, Back Stage Work , Management and Planning
	Theory		Revision of theory work
	Practical	VOCAL	Practice of previous work
		DANCE	Practice of previous work
		INSTRUMENTAL	Playing Hollywood songs with rhythm in a Rock band
		THEATRE	Practice of previous work

### Exam Syllabus

Half Yearly
Theory: 1-60 short questions based on MUSIC, DANCE, INSTRUMENTAL & THEATER Practical



### **SUBJECT – SUPW**

Month	Topic
April	Book Marker
May	Folder
July	Poster (Health & Hygiene)
August	Paper Bag
September	Greeting card for Teacher's Day
October	Shagun Envelope
November	Old newspaper craft
December	Paper quilling
January	Button stitching
February	Drawing on stone

### **SUBJECT – SPORTS**

Month	Topic
April	Volleyball techniques- lifting and foot movement, football techniques- kick and pass
May	Volleyball – pass dodge rotation football dribbling, scoring defending, chess
July	Volleyball defending, basketball passing football tie break penalty kick
August	Volleyball – different types of service football goal keeping scoring
September	Volleyball under hand pass, smashing, basketball trapping control on ball
October	Kho-Kho introduction and setting position in box basketball catching and holding the ball
November	Kho-kho how to give kho and covering basketball – rebounding offence, defence
December	Kho-kho – dodging catching blocking, serving, skill of chasing
January	Kho-kho – skill of running, zigzag bowl run 3-2-3 run
February	Annual exam