

**SUBJECT – ENGLISH**

Month	Name of the topic	Aims / Objective	Subject enrichment activity
April	Reading: Unseen passage	To develop skills of comprehension critical evaluation and analysis.	Poem enactment / Class Discussion based on the essence of the poem i.e. confidence insecurities manipulations opportunistic attitude.
	Writing: Factual description of person / Place	To enable children to develop a description of person or place in a simple and appropriate language on the basis of observation.	
	Grammar: Gap filling, syntax	To help children execute appropriate grammar rules in the use of Language.	
	Literature: F-1 'Two Gentlemen of Verona', F-2 Mrs Packletide's Tiger P-7 'The Frog and The Nightingale'	To understand the importance of responsibility, hard work, relationships and never give up spirit. To develop Confidence, Truthfulness and discretion against insecurity, jealousy selfishness To Enhance Critical and Logical thinking and understand symbolism.	
May	Reading: Unseen passage	To develop skills of comprehension critical evaluation and analysis.	Based on news Paper cuttings Describe it.
	Writing: E-Mail / Factual description of objects	To enhance writing a short, controlled composition.	
	Grammar: Editing, omission	To identify the error and provide correction to develop proficiency in the use of Language.	
	Literature: F-3 'The Letter' Poem: P-8 'Not Marble Nor the Guilded Monuments'	To understand the importance of doing good deeds & grief of separation from loved ones to understand the power and value of time and words.	
July	Reading: Unseen Passage	To develop skills of comprehension critical evaluation and analysis.	Debate on Supernatural powers. Or Materialistic World VS Real World
	Writing: letter to the editor & Civic Authority	To inculcate innovative use of Language & structure fused with creativity to bring / highlight an Issue	
	Grammar: Gap filling, Reported speech	To know their usage and develop proficiency in the use of Language. To make a meaningful conversation on the basis of given input	
	Literature: F-4 'A Shady Plot Drama-12 'The Dear Departed' Poem: P-9 'Ozymandias'	To develop confidence to conquer fear and superstitions. Bring face to face with present day human character which is shrewd, greedy and hypocrite. To inculcate human values. To understand the transitory nature of Life and things and power of time.	
August	Reading: Unseen passage	To develop skills of comprehension critical evaluation and analysis.	
	Writing: Letter Writing (of Enquiry)	To know the style appropriate for communication purpose to be sent through post to enquire of product services etc.	



	Grammar: Reported speech	To know the usage and develop proficiency in the use of Language.	
	Literature, P-10 'The Rime of the Ancient Mariner' : L-5 'Patol Babu'	To develop love, respect and appreciation for all God's creation. If not, then it is Sin followed by punishment and repentance To inculcate sincerity and dedication towards work	
September	Reading: Unseen Passage	To develop skills of comprehension critical evaluation and analysis.	Poster making on animal protection
	Writing: Article writing Letter to place order	To Polish writing skills and critical thinking to write on a given topic	
	Grammar: Syntax & Omission	To know the usage and develop proficiency in the use of Language.	
	Literature: P-11 Snakes	To develop sensitivity towards environment and creatures. Dealing with the moral consciousness of society	
October	Reading: Unseen Passage	To develop skills of comprehension critical evaluation and analysis.	
	Writing: Letter of complaint	To enhance their imaginative & creative skills. in conveying complaint of a defective product	
	Grammar: Editing, omission	To know their usage and develop proficiency in the use of Language.	
	Literature: F-6 'Virtually True	To develop scientific approach and critical analysis regarding scientific development and its usage.	
November	Reading: Unseen Passage Revision	To develop skills of comprehension critical evaluation and analysis.	
	Writing: Practice of e-mails, Factual descriptions, Articles & Letters	To enhance thinking and creative skills. And practice each skill	
	Grammar: Gap filling	Using appropriate words to fill the gaps	
	Literature: Drama-13 'Julius Caesar'	To understand the text and through it human character which is full of vices and virtues. To appreciate power of oratory	
December	Reading: Unseen Passage	To develop skills of comprehension critical evaluation and analysis.	
	Writing: Story writing	To promote the habit of writing events with reference to personal expressions in a creative way.	
	Grammar: Direct Indirect - Speech	Same as before.	
	Literature: Revision	Doubts Extra Questions	
January	Reading: Unseen Passage	To develop skills of comprehension critical evaluation and analysis Self	
	Writing: Revision	For practice	
	Grammar: Revision	For practice	
	Literature: Revision		

**Exam Syllabus**

Terminal	Half Yearly	Pre-Board I	Pre-Board II
<u>Reading</u> – Unseen Passage <u>Writing</u> – Factual description of person, place & object E-Mail <u>Grammar</u> – Gap filling, Editing, Omission & Syntax <u>Literature</u> – F-1,2 & 3 Poem – 7 & 8	<u>Reading</u> – Unseen Passage <u>Writing</u> – Factual description of person, place & object E-Mail Formal Letters <u>Grammar</u> – Gap filling, Editing, Omission & Syntax <u>Literature</u> – -F – 1, 2, 3, 4 & 5 Poem – 7, 8, 9 & 11 Drama – D-12	<u>Reading</u> – Unseen Passage <u>Writing</u> – Factual description of person, place & object E-Mail Letter Writing, Article Writing <u>Grammar</u> – Gap filling, Editing, Omission & Syntax <u>Literature</u> – F-1 to 6 Poem – 7, 8, 9, 10 & 11 Drama – D-12	<u>Reading</u> – Unseen Passage <u>Writing</u> – Factual description of person, place & object E-Mail Letter Writing ,Article Writing <u>Grammar</u> – Gap filling, Editing, Omission & Syntax <u>Literature</u> – F – 1 to 6 Poem – 7, 8, 9 , 10 , 11 Drama – D-12 , 13

**SUBJECT – HINDI**

Month	Name of the Chapter	Objective/Aim	Project
अप्रैल	पाठ-1 पद पाठ7 - नेताजी का चश्मा कृतिका-पाठ-1 माता का आँचल व्याकरण भेद- रचना के आधार पर वाक्य - अलंकार (उपमा, रूपक उत्प्रेक्षा , अतिशयोक्ति, मानवीकरण, अनुच्छेद ,पत्र, वज्ञापन, अलंकार ,संदेश लेखन- , अपठित गद्यांश, पद्यांश	1-छात्रों में भाषा के सभी कौशलों का विकास करना 2-हिन्दी साहित्य के भक्ति काल की विशेषताओं से परिचय करवाना ।	ग्रामीण जीवन शैली तथा शहरी जीवन शैली का तुलनात्मक अध्ययन करते हुए एक रिपोर्ट तैयार करना ।
मई	पाठ-2 राम लक्ष्मण परशुराम संवाद पाठ 8-बालगोविन भगत , व्याकरण- वाच्य ,पदपरिचय- ई -मेल लेखन कृतिका-पाठ-2 साना-साना हाथ जोड़ी	छात्रों में भाषा के सभी कौशलों का विकास करना ,हिन्दी साहित्य के भक्ति काल की विशेषताओं से परिचय करवाना ।पद - परिचय की सहायता से छात्रों में व्याकरण संबंधी त्रुटियों का समाधान करवाना	भक्तिकाल के सगुण भक्ति धारा के कवयों के कृतित्व व्यक्तित्व पर आधारित पीपीटी बनवाना
जुलाई	पाठ3- आत्म कथ्य-पाठ 9 लखनवी अंदाज़ , व्याकरण- वाच्य, अलंकार (उपमा, रूपक, उत्प्रेक्षा , अतिशयोक्ति, मानवीकरण पुनरावृत्ति कृतिका-पाठ-2 साना-साना हाथ जोड़ी	काव्य सौंदर्य के 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 सविक्रम पर एक प्रोजेक्ट तैयार करना ।
अगस्त	पाठ4- उत्साह, अट नहीं रही पाठ-10 एक कहानी यह भी व्याकरण पद परिचय स्ववृत्तलेखन- , अपठित गद्यांश, पद्यांश	छात्रों के सर्वांगीण विकास हेतु स्ववृत्त व वज्ञापनों के महत्व को बताना तथा उनका दिन प्रतिदिन के जीवन में उपयोग बताना	
सितम्बर	पाठ-11 नौबतखाने में इबादत व्याकरण- पद-परिचय , अर्द्धवार्षिक परीक्षा हेतु - पुनरावृत्ति संदेश लेखन		
अक्टूबर	पाठ5- यह दंतुरित मुस्कान, फसल पाठ-12 संस्कृति पाठ6- संगतकार व्याकरण भेद की पुनरावृत्ति वाक्य-वाक्य- कृतिका 3-पाठ-में क्यों लिखता 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	अर्द्धवार्षिक परीक्षा-	प्री 1-बोर्ड-	प्री 2-बोर्ड-
अपठित व पठित गद्यांश, पद्यांश पाठ-1, 2, 7, 8 (क्षतिज) पाठ-1, 2 (कृतिका) अलंकार, वाच्य रचना के आधार पर वाक्य भेद अनुच्छेद, पत्र., ईमेल लेखन वज्ञापन,	अपठित व पठित गद्यांश, पद्यांश पाठ1- , 2, 3, 4, 7, 8, 9, 10 (क्षतिज) पाठ-1, 2 (कृतिका) अलंकार, वाच्य, रचना के आधार पर वाक्य भेद, पदपरिचय- अनुच्छेद, पत्र, ईमेल, स्ववृत्त-लेखन , वज्ञापन, संदेशलेखन	अपठित व पठित गद्यांश , पद्यांश पाठ1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 (क्षतिज) पाठ-1, 2, 3 (कृतिका) अलंकार, वाच्य , रचना के आधार पर वाक्य, भेद , पदपरिचय- अनुच्छेद, पत्र, ईमेल, स्ववृत्त- लेखन, वज्ञापन, संदेश लेखन	अपठित व पठित गद्यांश , पद्यांश पाठ1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, (क्षतिज) पाठ-1, 2, 3, (कृतिका) अलंकार, वाच्य , रचना के आधार पर वाक्य, भेद , पदपरिचय- अनुच्छेद, पत्र, ईमेल, स्ववृत्त- लेखन, वज्ञापन, संदेश लेखन,



CLASS: X – BIFURCATED SYLLABUS – 2024 – 25

SUBJECT – SANSKRIT



Month	Name of the Chapter	Objective/Aim	Subject Enrichment Activity	Project
April	शेमुषी – पाठ - 1 - शु चपर्यावरणम् व्याकरण -अव्यय, द्वन्द्व समास, अशुद्ध संशोधन, पत्रलेखन ।	छात्रों को पर्यावरण का महत्व समझाते हुए पर्यावरणस्वच्छता के प्रति जागरूक करना ।		
May	शेमुषी -पाठ- 2 बुद्धर्बलवती सदा व्याकरण समास - अव्ययीभाव , वाक्यनिर्माण, पत्रलेखन , सं ध , चत्रवर्णन।	व्यंजनों के परिवर्तन को स्पष्ट करते हुए छात्रों को व्यंजन सं ध का ज्ञान कराना ।	चारित्रिक गुणों की रूपरेखा तैयार करते हुए चार्ट पर पाँच सूक्तियाँ लिखो ।	
July	शेमुषी -पाठ 4- शशुलालनम् व्याकरण - वसर्ग सन्धि उत्त्वम् - , सत्वम्, अव्यय , वाक्यनिर्माण, समय ।	छात्रों को रामायण से संबंधित कुछ विशेष घटना क्रम की जानकारी देना।		
August	पाठ -5 - जननी तुल्यवत्सला व्याकरण - प्रत्यय, तत्पुरुष समास, वाक्यनिर्माण, पत्रलेखन	सं क्षप्तीकरण को समझाते हुए समास ज्ञान कराना ।	दैनिक दिनचर्या से संबंधित सात वाक्य संस्कृत में लिखो ।	परिश्रम का फल कहानी का संस्कृत अनुवाद करें ।
September	पाठ- 6,7 - सुभाषतानि, सौहार्द प्रकृतेः शोभा व्याकरण - अशुद्ध संशोधन, वाच्यपरिवर्तन चत्रवर्णन, अनुच्छेद लेखन ।	छात्रों को प्राकृतिक सौंदर्य तथा प्रकृति के मातृत्व भाव से अवगत कराना ।	सर्वनाम शब्द रूपों से अवगत कराना तथा सं ध ज्ञान देना ।	
October	पाठ- 8 , 9 - व चत्रसाक्षी : , सूक्तयः व्याकरण - रुत्वम्, वसर्गस्य लोपः बहुव्रीहिसमास, पत्रलेखन, चत्रवर्णन ।	छात्रों को न्याय व्यवस्था से अवगत कराते हुए न्याय के प्रति जागरूक करना ।	पर्यावरण स्वच्छता से संबंधित एक सुंदर विज्ञापन बनाते हुए ।	पाँच वाक्य संस्कृत में लिखो ।
November	पाठ- 12 अन्योक्ति व्याकरण - समास, चत्रवर्णन, वाच्यपरिवर्तन	लकार ज्ञान कराते हुए वाच्य परिवर्तन से अवगत कराना ।	संस्कृत में पाँच संस्कृत में लिखो ।	
December	शेमुषी - घटनाक्रममाध्यास व्याकरण - कराए गये समस्त कार्य की पुनरावृत्ति ।	छात्रों में लेखन कौशल का विकास करना ।		
January	कराए गये समस्त कार्य की पुनरावृत्ति			
February	कराए गये समस्त कार्य की पुनरावृत्ति			

Exam Syllabus

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

**SUBJECT – FRENCH**

Month	Name of the Chapter (Theme)	Objective	Subject Enrichment Activity
April	Lecon 2 Après le bac(l'enseignement) Le future antérieur La forme nominale Lecon 3 Chercher du travail (le travail) Les pronoms relatifs: simple et composés	Students will be able to learn the education system of France/india. Students will be able to learn the work system of France. They will learn to write job applications.	Demander un avis Demander /donner des renseignements. Decrier la carrier professionnelle Conseiller quelqu'un
May	Lecon 4 Le plaisir de lire (la lecture) Le plus-que-parfait Lecon 5 Les medias (l'information,les nouvelles) La forme nominale Les pronoms personnels: y,en	Students will be able to learn to describe a event or a story. Students will be able to get knowledge about media. To tell the facts about something.	S'inscrire a la bibliotheque. Inviter quelqu'un. S'informer Decrier une emission Television.
July	Lecon 6 Chacun ses goutes (les preferences/les loisirs) les pronoms demonstratifs simple et composés lecon 7 En pleine forme(la bonne santé) Les pronoms possessifs	Students will be able to tell their choices or preferences. Students will be able to talk about healthy lifestyle and good habits of life.	Exprimer ses goutes Raconteur un histoire Decrier une visite au musee/au cinema. Discuter les bonne habitudes de vie. S'informer dela santé de quelqu'un.
August	Lecon 8 L'environnement (sauver la planete) Le subjonctif	Students will be able to talk about the environment. To understand the cause of pollution. To understand how to recycle the things.	Faire des projects pour sauver la planete. Exprimer la necessite/la volonte/les sentiments.
September	Revision and Half Yearly Exams		
October	Lecon 10 Vive la Republique (le sytème politique) Le discours rapporte	Students will be able to understand the political system of France / India.	Rapporter un discours Telephone a quelqu'un
November	Revision & Preboard 1		
December	Revision & Preboard 2		
January	Revision		

Exam Syllabus

Terminal	Half Yearly	Pre-Board I	Pre-Board II
Comprehension ecrite : Un texte	Comprehension ecrite : Un texte	Whole syllabus	Whole syllabus



Production écrite: La lettre ,une message/ une invitation Grammaire : le future antérieur , la negation, Les pronoms relatifs simple/composes, la forme nominale, trouvez la questions. Culture et civilisation: Lecon 2,3,4	Production écrite: La lettre ,une message/ une invitation, remettez les dialogues Grammaire : le future antérieur , la negation, la forme nominale, trouvez la questions, les pronoms (COD,COI,tonique,Y,EN) Le plus-que-parfait, les pronoms demonstratifs simple et composes Les pronoms possessifs Culture et civilisation: Lecon 5,6,7,8,		
--	---	--	--

**SUBJECT – SCIENCE**

Month	Name of the Chapter	Objective/Aim	Subject Enrichment Activity	Project
April	Ch-1: Chemical reactions:	To study balancing and implications of balanced chemical equations, different types of chemical reactions.	Performing and observing the following reactions and classifying them into: A. Combination reaction B. Decomposition reaction C. Displacement reaction D. Double displacement reaction	To write/create the procedure of the preparation of any two fermented beverages of your choice. To make a Kaleidoscope and periscope.
	Ch-5: Life processes	To make students understand about the Basic concept of Nutrition and Respiration in plants and animals.	(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	
	Ch-9: Light-Reflection and Refraction	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.		
May	Ch-5: Life processes	To make students understand about the Basic concept of transport and excretion in plants and animals.	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	Analyse household chemicals to determine their pH levels and chemical properties.
	Ch-2: Acids, bases, and salts	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.		
	Ch-9: Light-Reflection and Refraction			



	Refraction [Continue]	Image formation by lens (concave and convex), solve numerical using the mirror & lens formula and determine the power of the lens.	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 experiment 2- To measure lateral displacement using glass slab.	
July	Ch-6: Control and co-ordination in animals and plants Ch-3: Metals and nonmetals Ch-10: The Human Eye and the Colourful World	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. Chemical co-ordination: Animal hormones To focus on Properties of metals and non-metals; Reactivity series; Formation and properties of ionic compounds. 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 colour of sky etc.	Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions: Unit-I i) $\text{ZnSO}_4(\text{aq})$ ii) $\text{FeSO}_4(\text{aq})$ iii) $\text{CuSO}_4(\text{aq})$ iv) $\text{Al}_2(\text{SO}_4)_3(\text{aq})$ 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.	Portfolio activity: To create a graphical organizer or flowchart to explain the phenomena of tropic movements in plants.



August	<p>Ch-3 Metals and Non-metals (continue) Ch-7: Reproduction</p> <p>Ch-11: Electricity</p>	<p>Basic metallurgical processes; Corrosion and its prevention.</p> <p>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.</p> <p>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.</p>	<p>Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of prepared slides.</p> <p>Exp 4- To verify Ohm's law. Exp 5- To verify series and parallel combinations of resistance</p>	
September	Revision and Half Yearly Exams			
October	<p>Ch-4: Carbon compounds</p> <p>Ch-8: Heredity</p>	<p>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.</p> <p>To understand Heredity; Mendel's contribution- Laws for inheritance of traits:</p>	<p>Study of the following properties of acetic acid (ethanoic acid):</p> <ul style="list-style-type: none"> i) Odour ii) solubility in water iii) effect on litmus iv) reaction with SodiumHydrogen v) Carbonate <p>Study of the comparative cleaning capacity of a sample of soap in soft and hard water.</p> <p>Identification of the different parts of an embryo of a dicot seed</p>	<p>Prepare a soap of your choice</p> <p>Observe and prepare a file on the fingerprints</p>



	Ch-12: MagneticsEffect of Electric Current	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. Domestic electric circuit, overloading, short circuit, and application of fuse wire.	(Pea, gram or red kidneybean). Exp 6- Draw magnetic field lines around bar magnet.	of your family members (any five) To make an electric bell and electromagnet.
	Ch-13-Our environment	To know about Eco-system, Environmental problems, Ozone depletion, waste production and their solutions. Biodegradable and non-biodegradable substances.		Investigate any local environmental issue, propose solution to address the problem and measures to raise awareness. [Topic from Internal Assessment Chapter as per CBSE]
November	Revision & Preboard 1			
December	Preboard 2			
January	Revision			

Exam Syllabus

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



SUBJECT – MATHS

Month	Name of the Chapter	Objective/Aim	Subject Enrichment Activity
April	Ch-1. Real Numbers	To make students aware of Fundamental Theorem of Arithmetic. To learn about irrational and rational numbers. To learn about the relation between the zeroes and coefficients of a polynomial	To draw obtain the zeroes of the polynomial through the graph. To obtain the conditions for consistency/ inconsistency of a system of linear equations in two variables by graphical method.
	Ch-2 Polynomials	1-To make students aware about graphical representation of linear equation.	
	Ch-3 Linear Equations in two variables	2-To find the solution of linear equations by different methods. For example Substitution method and Elimination Method.	
May	Ch-4 Quadratic Equations	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	To verify the distance formula by graphical method.
	Ch-5 Arithmetic Progression	To learn about Arithmetic Progression, nth 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.	
July	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.
	Ch-8 Introduction of Trigonometry	To learn about 1-Trigonometric ratios 2-Trigonometric ratios of some specific angles 3-Trigonometric identities	
August	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.	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.
	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	
September	Ch -11 Area related to Circles Revision and Half yearly	To learn about 1-Areas of sector and segment of a circle. 2-Areas of combination of a plane figure.	
October	Ch-12 Surface areas and Volume Ch-14 Probability Ch-13 Statistics	To make students able to apply the knowledge about area of 2D figures to get the area and volume of 3D figures. To make students able to learn about chance to win any situation. To learn about Mean, Median and Mode of grouped data	To set the idea of probability of an event through a double colour cards experiment.
November	Revision and Pre-Board I Examination		
December	Revision and Pre – Board II Examination		
January	Board Practical Examination		
February	Revision Board Examination		

Exam Syllabus

Terminal	Half Yearly	Pre-Board I	Pre-Board II
Ch- 1,2,3,4,5,7	Ch-1,2,3,4,5,6,7,8,9,10	Complete Syllabus	Complete Syllabus

**SUBJECT – SOCIAL SCIENCE**

Month	Subject	Chapter Name	Objective	Subject Enrichment	Project
April	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. All the Congress Sessions, 2. Satyagraha movements	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.	Map work	Social Issues
	Economics	Development	To understand the meaning of development. Goals of development.		Consumer Awareness
May	History	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	
	Geography	Resources and Development Forest and Wildlife	The importance of forest and wildlife to our environment.	Map work	Sustainable Development
	Economics	Development	Concept of National and Per capita income and measures to compare countries –income & HDI		
July	History	The 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	Federalism	Analyze federal provisions and institutions. • Explain decentralization in rural and urban areas.		
	Geography	Forest and Wildlife Water Resources	Importance of water as a resource, to develop awareness towards its use and conservation	Map work	
	Economics	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		
August	History	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	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	Agriculture	To identify various types of farming methods used and distribution of major crops.		
	Economics	Sectors of Indian Economy	Classification of various sectors on the basis of working conditions – organized unorganized sector. Various ways to create more employment.		
September	Civics	Political Parties	Analyze party systems in democracies. introduction to major political parties, challenges faced by them and reforms in the country.		
	History	Revision			
	Geography	Mineral and Energy Resources Revision	Discuss various types of Conventional and Nonconventional resources. Minerals, their utilization, and distribution.	Map work	
	Economics	Money and Credit	Meaning & forms of money. Loans activities of banks. Terms of credit		
October	History	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	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	Manufacturing Industries 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		
November	Geography	Lifelines of National Economy	Discuss about the importance of transport, communication, and trade in the development of a country.	Map work	Internal Assessment
December	Pre-Board Examination and Revision				
January	Pre-Board Examination and Revision				

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 1,2,3 Geography: Ch 2,3 Economics: Ch 1, 2	History: Complete Syllabus Civics: Complete Syllabus Geography: Ch 1- 6 Economics: Ch 1-4	Whole syllabus

**SUBJECT – INFORMATION TECHNOLOGY**

Month	Unit Name	Chapter Name	Sub-Unit	Learning Outcomes
April & May	Part A Employability Skills	Unit 1: Communication Skills-I	Ch-1 Methods of Communication Ch-2 Communication Cycle Ch-3 Communication Barriers Ch-4 Effective Communication Ch-5 Basic writing Skills	Students will be able to understand and apply knowledge of human communication and language processes as they occur across various contexts.
	Part B Subject Specific Skills	Unit 1: Digital Documentation (Advanced)	Ch-1 Applying Styles in a Document Ch-2 Adding Graphics in a Document Ch-3 Working with Templates Ch-4 Using a Table of Contents	Students will be able to - apply styles with different templates, creating drawing objects, formatting an image, updating a document and maintain a table of contents.
July	Part A Employability Skills	Unit 2: Self-Management Skills-I	Ch-6 Stress Management and its Techniques. Ch-7 Ability to Work Independently	Students will be able to Understand meaning and importance of stress management & Apply stress management techniques.
	Part B Subject Specific Skills	Unit 2: Electronic Spreadsheet Advanced	Ch-6 Analyzing data in a Spreadsheet Ch-7 Linking Data and Spreadsheet Ch-8 Sharing and Reviewing a Spreadsheet Ch-9 Using Macros in a Spreadsheet	Students will be able to – use “what-if” scenarios, goal seek & solver, creating reference to other documents, relative & absolute hyperlinks, setting up a spreadsheet for sharing, add, edit & format the comments, using macro recorder and creating macros.
August	Part A Employability Skills	Unit 3: ICT Skills	Ch-8 operating System Ch-9 Managing Files & Folders Ch-10 Care and Maintenance of a Computer	Students will be able to identify: <ul style="list-style-type: none"> • ICT in different domains • ICT tools • Computer System – Hardware and Software • Use of typing tutor • Tux paint • Internet and its applications • Social Media • Cyber Crime and cyber addiction
	Part B Subject Specific Skills	Unit -4 Maintain Health, Safety and Secure Working Environment	Ch-23 Importance of Workplace safety Ch-24 Preventing Accidents and Emergencies. Ch-25 Protecting Health and Safety at Work.	Students will be able to establish a foundation of confidence in the skills necessary to cause others to act.
September	Revision and Half Yearly Examination			



October	Part A Employability Skills	Unit 4: Entrepreneurial Skills-I Unit 5: Green Skills-I	Ch-11 Entrepreneur and Entrepreneurship Ch-12 Sustainable Development	Students will be able to establish a foundation of confidence in the skills necessary to cause others to act. Understand the basic sustainability concepts of homeostasis, carrying-capacity, cradle-to-grave recycling, evolutionary processes
	Part B Subject Specific Skills	Unit 3: Database Management System	Ch-10 Concepts of Database Management System Ch-11 Creating and Using Tables Ch-12 Performing Operations on Tables Ch-13 Retrieving Data Using Queries Ch-14 Working with Forms & Reports	Students will be able to understand the concept of database, its advantages, features, Relational database, types of Keys, Introduction to Libre Office Base, basic terminology, creating a table, Referential Integrity, defining Query, SQL, creating forms in BASE, Reports, creating a report using Wizard.
November	Revision and Pre-Board			
December	Revision and Pre-Board			
January	Revision			
February	Revision and Annual Examination			

Exam Syllabus

Terminal	Half Yearly	Pre-Board I	Pre-Board II
Part A: Unit 1 Part B: Unit 1	Part A: Unit 1, 2, 3 Part B: Unit 1, 2, 4	Complete Syllabus	Complete Syllabus



CLASS: X – BIFURCATED SYLLABUS – 2024 – 25

SUBJECT – ARTIFICIAL INTELLIGENCE

Month	Unit Name	Chapter Name	Sub-Unit	Learning Outcomes
April & May	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
July	PART-B – Subject Specific Skills	Unit 2: AI Project Cycle	<ul style="list-style-type: none"> • Problem Scoping • Data Acquisition • Data Exploration • Modeling • Evaluation 	Students will be able to: <ul style="list-style-type: none"> • Identify the AI Project Cycle framework. • Learn How to acquire data and ways to set goals for an AI project. • Exploring data involved in the problem scoped. <ul style="list-style-type: none"> • Brainstorm on the ethical issues involved around the problem selected. • Understand the iterative nature of AI project cycle. Foresee the kind of data required and the kind of analysis to be done.
	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.
August	PART-A: Employability Skills	Unit 3: ICT Skills-II		Students will be able to: <ul style="list-style-type: none"> • Describe the role of ICT in day-to-day life. • Types of operating System. • Understand desktop appearance, icons, and taskbar. • Perform basic Computer operations. • Viruses and anti-viruses' usage. Creating Files and folders.
		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.



September	Revision And Half Yearly Examination			
October	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"> • Understand the concept of Natural Language Processing (NLP) and its importance in the field of Artificial Intelligence (AI). • Explore the various applications of NLP in everyday life, such as chatbots, sentiment analysis, and automatic summarization • Gain an understanding of the challenges involved in understanding human language by machine. • Learn about the Text Normalization technique used in NLP and popular NLP model - Bag-of-Words
		Unit 7: Evaluation		Students will be able to : <ul style="list-style-type: none"> • Understand the role of evaluation in the development and implementation of AI systems. • Learn various Model Evaluation Terminologies. • Learn to make a confusion matrix for given Scenario • Learn about the different types of evaluation techniques in AI, such as Accuracy, Precision, Recall and F1 Score, and their significance.
November	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.
December	PART-D – Project Work / Field Visit / Practical File/ Student Portfolio Viva Voce			
January	Preboard Examinations			
February	Board Examinations			

Exam Syllabus

Terminal	Half Yearly	Pre-Board I	Pre-Board II
Part A: Unit I, II Part B: Unit I	Part A: Unit I, II, III Part B: Unit I, II, IV	Complete Syllabus	Complete Syllabus



CLASS: X – BIFURCATED SYLLABUS – 2024 – 25
SUBJECT – ART AND EDUCATION

Month	Name of the Chapter	Objective/Aim	Subject Enrichment Activity	Project
April	Elements of arts	Study of visual resources and means of creative expression.	Free hand drawing	Doodle making
May	Still life composition	Study of lines, strokes, colors, shades, tones, textures, etc. while organizing two-dimensional space with two dimensional and three-dimensional shapes and forms.	Pencil shading technique	Still life
July	Nature study	Sketching from nature and surrounding.	Observation	Flower sketching
August	Landscape study	Creative use of colours to show space, atmosphere, subjective moods.	Express all seasons with a picture.	landscape
September	Composition	Creative use of perspective in spatial relationships.	observation	Free hand painting
October	Poster designing	Study of calligraphic strokes of Devnagari and Roman alphabet (Scripts).		Poster making
November	Indian folk art	Use of contrast as an expressive element of art.		Folk painting
December	Revision			
January	Revision			
February	Revision			

Exam Syllabus

Half Yearly
Still life composition and poster designing with different color schemes

**SUBJECT – SPORTS (CRICKET)**

Month	Name of the skill	Learning objective	Practical / Activities
April	Skill 1) The forward defence Skill 2) the High catch	To prevent a good length ball from hitting the wicket. To catch a Ball which is dropping quickly	Through demonstration Ground activity Intramural
May	Skill 3) Back foot defensive stroke Skill 4) The skim catch	This stroke is played to a Ball pitching short and bouncing knee high and above Primarily to catch a flat trajectory ball arriving about head	Through demonstration Ground activity Inter house
July	The Close Catch The Off Drive	Primarily to deal with catches close to the wicket. To play to a half-volley, a ball which pitches close to the batsman and does not bounce very high. It will be just on or outside the off stump.	Through demonstration Ground activity Intramural
August	The Long Barrier and Throw The Straight Drive	The long barrier is used to ensure the ball is stopped. To play to a half-volley which pitches approximately on the line of the middle- stump.	Through demonstration Ground activity
September	The Short Throw MCQ If needed	Run inside line of ball to enable right foot to land beside it.	Through demonstration Ground activity
October	The Long Throw	To retrieve a ball after picking up near the boundary	Through demonstration Ground activity
November	Bowling from the Coil Position The On Drive	To introduce the bowling action to beginners. This stroke is played to a half-volley, pitching on or just outside the leg stump.	Through demonstration Ground activity
December	Leg spin or chinaman Off spin and left arm orthodox spin (finger spin)	A leg break spins from leg to off, rotating anti-clockwise from bowler. A left arm wrist spinner rotates the ball clockwise and is said to bowl 'Chinamen'. An off break spins the ball from off to leg, rotating clockwise from the bowler. The left arm spinner moves the ball from leg to off.	Through demonstration Ground activity
January	The Forcing Stroke Off the Back Foot/ Back foot punch	This stroke is played to a ball short of a length outside the off stump which does not bounce more than about knee height	Through demonstration Ground activity
February	Exam MCQ If needed		

**SUBJECT – SUPW**

Month	Topic
April	Drawing on stone
May	Poster (AI and Human)
July	Book marker
August	Old paper or newspaper craft
September	Folder
October	Stitching and tailoring
November	Shagun envelope
December	Greeting card for teacher's
January	Paper quilling
February	Best out of waste



CLASS: X – BIFURCATED SYLLABUS – 2024 – 25

SUBJECT – VPA – DANCE (WESTERN)

Month	Category/Topic	Activity	Aim/objective	Project
April	Dance[western] *THEORY * PRACTICAL	Short questions based on dance (1-20) Basic dance moves of jazz choreography	Introduction to choreography	Vibration interschool dance competition
May	Dance[western] *THEORY * PRACTICAL	Short questions based on dance (21-40) Choreography of jazz dance style on music	Choreography of jazz dance style	Vibration interschool dance competition and Mother's Day
July	Dance[western] *THEORY * PRACTICAL	Short questions based on dance (41-60) Practice of previous work	Practice for perfection	Symphony interhouse dance competition
August	Dance[western] *THEORY * PRACTICAL	Short questions based on dance (61-70) Explaining right body posture and expression	Helps to improve expression and body language	Independence Day
September	Half yearly Examination			
October	Dance[western] *THEORY * PRACTICAL	Short questions based on dance (71-90) Basic moves of ballet choreography	Introduction to new dance style	Annual function of senior secondary
November	Dance[western] *THEORY * PRACTICAL	Short questions based on dance (91-110) Ballet dance choreography on song	Choreography of ballet dance style	
December	Dance[western] *THEORY * PRACTICAL	Short questions based on dance (111-130) Routine practice	Practice for perfection	Football Tournament (inauguration ceremony)
January	Dance[western] *THEORY * PRACTICAL	Short questions based on dance (131-140) Practice for practical	Practice for practical	Republic day
February	Annual Examination			

Exam Syllabus

Half Yearly
Theory: Short questions based on dance (western) (1-70) Practical: basic moves and choreography of jazz.



CLASS: X – BIFURCATED SYLLABUS – 2024 – 25

SUBJECT – VPA – DANCE (CLASSICAL)

Month	Category/Topic	Activity	Aim/objective	Project
April	Dance [Classical] *THEORY * PRACTICAL	Short questions based on dance (1-20) History of Kathak and introduction of tatkar, hastak and ginti bol on vilambit lay	Basic techniques of footwork, hand movements and rhythmic and numeric pattern of footwork	Vibration interschool dance competition
May	Dance[classical] *THEORY * PRACTICAL	Short questions based on dance (21-40) Practice of all the steps together teental	Practice of Tatkaar, hastak ,ginti bol on numeric,rhythmic pattern and on tabla(vilambit lay)	Vibration interschool dance competition and Mother's Day
July	Dance[classical] *THEORY * PRACTICAL	Short questions based on dance (41-60) Introduction of Kavitaang	Student use kavita to express emotions and tell stories through movements	Symphony interhouse dance competition
August	Dance[classical] *THEORY * PRACTICAL	Short questions based on dance (61-70) Kavitaang on lord Krishna	Students will be able to present stories of lord Krishna on kavita	Independence Day
September	Half yearly Examination			
October	Dance[classical] *THEORY * PRACTICAL	Short questions based on dance (71-90) Presentation of kavitaang on different emotions of lord Krishna.	Practice of kavitaang	Annual function of senior secondary
November	Dance[classical] *THEORY * PRACTICAL	Short questions based on dance (91-110) Introduction of ginti bol and chhakar (spins)	Different techniques to present footwork and exit and entrance in Kathak dance	
December	Dance[classical] *THEORY * PRACTICAL	Short questions based on dance (111-130) Practice on ginti bol and chhakar.	Practice for perfection	Football Tournament (Inauguration Ceremony)
January	Dance[classical] *THEORY * PRACTICAL	Short questions based on dance (131 - 140) Presentation of all steps together on different tal and tihai.	Presentation of all the steps	Republic day
February	Annual Examination			



Exam Syllabus

Half Yearly

Theory: Short questions based on dance (western) (1-70)

Practical: introduction of Indian classical dance and basic of kathak, hastak And tatkaar, kavita.

Celebrating 75 Years



CLASS: X – BIFURCATED SYLLABUS – 2024 – 25

SUBJECT – VPA – INSTRUMENTAL (INDIAN)

Month	Category	Activity	Aim/Objective	Project
April	Instrumental [Indian] • Theory • Practical	• Short questions (1-20) • Taal Teentaal on Tabla Taal Dadra & Kaharva, Types on dholak. Western style pattern on Tabla.	Introduction of the Indian Instrument 0	Preparation of the Inter House Instrument competition. Symphony.
May	Instrumental [Indian] • Theory • Practical	• Short questions (21-40) • Kaharva, Dadra Taal Pattern in Fast speed, Dhapli, Miracas,	Practice for Perfection in Taal patterns	Symphony Inter House Instrument comp.
July	Instrumental [Indian] • Theory • Practical	• Short questions (41-60) • Fast speed Taal Teentaal. Fast speed Kaharva Taal. Motivational song.	Basic Knowledge of Fast speed Taal	Preparation of Independence Day.
August	Instrumental [Indian] • Theory • Practical	• Short questions (61-70) • Taal Dadra Fast speed pattern • Teental Tihai, Mukhde.	To give Basic Knowledge of Fast rhythm pattern	Independence Day (cultural Programme)
September	Half Yearly Examination			
October	Instrumental [Indian] • Theory • Practical	• Short questions (71-90) • Unity song	To connect students with Rhythm group in unity song.	Preparation of Annual function
November	Instrumental [Indian] • Theory • Practical	• Short questions (91-110) • Tabla Taal variations in Unity song.	Taal variations knowledge	Annual function
December	Instrumental [Indian] • Theory • Practical	• Short questions (111-130) • Instrument practice with sports song.	To give knowledge of Fast taal pattern	Foot ball Tournament
January	Instrumental [Indian] • Theory • Practical	• Short questions (131-140) • Patriotic song.	Taal Pattern in Patriotic song.	Republic Day
February	Annual Examination			

Exam Syllabus

Half Yearly
Theory: Short questions (1-70) Practical: Taal- kaharva, Dadra, Teental, on Tabla, Dholak.



CLASS: X – BIFURCATED SYLLABUS – 2024 – 25

SUBJECT – VPA – INSTRUMENTAL (WESTERN)

Month	Category	Activity	Objective/Aim	Project
April	<u>Instrumental [western]</u> • Theory • Practical	Short questions (1-20) Introduction of the Instruments and Fingering practice	Basic technique of Holding the instrument	Orchestration of Inter house. Instrumental Competition
May	<u>Instrumental [western]</u> • Theory • Practical	Short questions (21-40) Fingering of instruments & Rhythm stroke pattern	Basic knowledge of the notation & rhythm	Symphony Inter house. Instrumental Competition
July	<u>Instrumental [western]</u> • Theory • Practical	Short questions (41-60) Practice of previous work	Notation & rhythm Perfection	Orchestration of Independence Day Event
August	<u>Instrumental [western]</u> • Theory • Practical	Short questions (61-70) Practice of Playing Notation with rhythm Metronome	Playing notation with Rhythm	Independence Day Event
September	Half Yearly Examination			
October	<u>Instrumental [western]</u> • Theory • Practical	Short questions (71-90) Working knowledge of the rock Music	To prepare student to take part in school Musical events	Orchestration of Annual Event
November	<u>Instrumental [western]</u> • Theory • Practical	Short questions (91-110) Practice of playing rock Music	To prepare students to take part in school Musical events	School Annual Function
December	<u>Instrumental [western]</u> • Theory • Practical	Short questions (111-130) Practice of playing rock Music and Beat practice	To prepare students to take part in school Musical events	Orchestration of Republic Day Event
January	<u>Instrumental [western]</u> • Theory • Practical	Short questions (131-140) Lead and rhythm Combined Playing in a Rock band	To prepare students to take part in school Musical events.	Republic Day Event
February	Annual examination			

Exam Syllabus

Half Yearly
Theory: Short questions (1-70)
Practical: Lead /rhythm instrument (Basic Notation and rhythm)

**SUBJECT – VPA – THEATRE**

Month	Category / Topic	Objective/Aim	Activity	Project
April	<u>Theory</u> Short Questions (1–20) <u>Practical</u> <ul style="list-style-type: none"> Introduction to theatre, its relation to education Rhythm & Movement 	<ul style="list-style-type: none"> Making aware about the importance of theatre art in present education system Physical Development 	Various Games & Exercises to improve Rhythm & Movement	
May	<u>Theory</u> Short Questions (21–40) <u>Practical</u> <ul style="list-style-type: none"> Voice & Speech 	<ul style="list-style-type: none"> Language Development 	Various Games & Exercises to improve Voice & Speech	Symphony – Inter House Competition
July	<u>Theory</u> Short Questions (41–60) <u>Practical</u> <ul style="list-style-type: none"> Sensory & Motor Development Emotional and Aesthetic Development 	<ul style="list-style-type: none"> To Drive Sensory Stimulation To increase motivation and develop appropriate interpersonal skills 	Various Games & Exercises to Develop Sensory & Motor Skills	
August	<u>Theory</u> Short Questions (61–70) <u>Practical</u> <ul style="list-style-type: none"> Introduction of Role Play, Developing Character, Pantomime 	<ul style="list-style-type: none"> To bring characters to life and to tell stories 	Task to perform different characters, Role Play and Mime Act	Independence Day (Theatrical Presentation)
September	Half Yearly Examination			
October	<u>Theory</u> Short Questions (71–90) <u>Practical</u> <ul style="list-style-type: none"> Improvisation Exploring Social Issues, Street Play 	<ul style="list-style-type: none"> To develop creativity, mental flexibility and thinking skills To help build children's self-confidence and public speaking ability 	Task to Improvise Work on Street Play	
November	<u>Theory</u> Short Questions (91–110) <u>Practical</u> <ul style="list-style-type: none"> Creating Plays from other sources and Poetry 	<ul style="list-style-type: none"> To evoke emotions and make audience think about its central theme 	Work on Musical Play	Annual Function
December	<u>Theory</u> Short Questions (111–130) <u>Practical</u> <ul style="list-style-type: none"> About Set, Light and Sound, Back Stage Work, Management and Planning 	<ul style="list-style-type: none"> It makes the theatre more creative and exciting, from backstage techniques. Students learn to successfully create visual and auditory, 	Task to Design Set, Light and Back Stage Work of a Play.	



		imagery for stage production.		
January	<u>Theory</u> Short Questions (131–140) <u>Practical</u> <ul style="list-style-type: none">Continuation of previous work			
February	Annual Examination			

Exam Syllabus

Half Yearly
Theory: Short questions (1-70) Practical: Speech Test, Dialogue Delivery Test

**SUBJECT – VPA – VOCAL**

Month	Category	Activity	Aim /Objective	Project
April	Music Vocal . Theory . Practical	. Short questions (1-20) . Sargam geet - raag Bhoopali	To give basic knowledge of Indian Music (raag) .	Preparation of Inter House song comp. Symphony.
May	Music Vocal . Theory . Practical	. Short questions (21-40) . Semi classical song of based on Raag Bhoopali.	To connect classical music & light music in one raag.	Symphony Inter House song comp.
July	Music Vocal . Theory . Practical	. Short questions (41-60) . Teen taal introduction & taal notation.	To give Basic knowledge of rhythm.	Preparation of Independence Day.
August	Music Vocal . Theory . Practical	. Short questions (61-70) . Teen taal on hand.	To give Basic knowledge of Indian classical music & taal.	Independence Day (Cultural program)
September	Half early exams			
October	Music Vocal . Theory . Practical	. Short questions (71-90) . folk song	To connect children with our rich culture through Music	Preparation of Annual function
November	Music Vocal . Theory . Practical	. Short questions (91-110) . light /motivational song.	To keep positive attitude in life.	Annual function (Inaugural song)
December	Music Vocal . Theory . Practical	. Short questions (111-130) . Motivational song on sports.	Feel positive & energetic through Music	Football tournament (Inaugural song)
January	Music Vocal . Theory . Practical	. Short questions (131-140) . patriotic song	To know & praise our nation's beauty culture &Unity in diversity.	Republic Day
February	Revision			

Exam Syllabus

Half Yearly
Theory- Short questions Based on Vocal, Instrument dance & theater (1-70) Practical- Raag Bhoopali, Sargam geet, Teen taal introduction & play on hands, semi classical song.

**SUBJECT – ASTRONOMY**

Month	Content	Objective/Aim	Subject Enrichment Activity	Project
April	“Big bang theory” & “Exoplanets”	*Students would be able to understand how the universe began. *Students would be able to understand the planets outside the solar system.	1- Evaluate the origin and impact of the big bang theory. 2- What are exoplanets? Evaluate the detection methods.	To make a sundial
May	“Knowing about Sun and stars” & “Attraction force between celestial bodies”	*Students would be able to know how to define stars and describe the Sun, which is part of our solar system. *Students would be able to find forces between astronomical things.	1- Make a note based on the characteristics of “Sun and stars” 2- The impact of the sun on the water bodies? 3- Calculate the attraction force between Sun and all planet of our solar system. 4- Evaluate space exploration in modern times. 5. Working of astronomical telescope.	DIY constellation viewer
July	“Knowledge with Telescope”	* Students would be able to find the components and workings of astronomical telescope	1- Make a proper diagram and working of astronomical telescope and its type. 2-Make a research based on the natural and artificial satellites.	To make a telescope
August	“Launching of satellite”	* Students would be able to find orbital velocity, periodic time radius of orbit of natural and artificial satellite *Students would be able to learn about polar satellites and geostationary satellites.	1- Make a Short note based on the uses of Artificial satellite. (Some more about artificial satellite) 2- Make a research based on the “How a satellite launch”.	To make a rocket launcher
September	Half Yearly Examination			
October	“Improve your Galaxy text life”	Students would enhance the knowledge about nearby galaxies of our solar system and robotic science in galaxy.	1- Evaluate robotic space exploration and impact. 2- Write 10 main facts about latest discovered GALAXY.	Sky mapping
November	Evaluate the assumption of the existence of dark matter.	Students would enhance the knowledge about dark matter and its existence.	1. Prepare a short notes on the existence of dark matter.	Constellations storytelling



December	“Kepler’s planetary law” & “Planets! Modern Astronomy”	Students will be able to understand the laws on which celestial object revolve.	1- Make a chart based on the kepler’s planetary motion. 2- To find the conservation law of angular momentum by using Newton’s laws of motion	Make a project (ppt or on A4 sheet) based on the presence of fuel on the Jupiter and it's natural satellites.
January	“What is the impact of NASA and space exploration – does it have a future?”	Students will be able to know about the discoveries of new planet and incredible space discoveries.	1- Do research on the surface properties of Jupiter 2- Write a short note of 10 new planet in universe 3- Make a chart for 20 most incredible recent space discoveries.	
February	Revision			

Exam Syllabus

Half Yearly
Multiple choice questions based on activities conducted from April to August

**SUBJECT – ROBOTICS**

Month	Name of the Chapter	Objective/Aim
April	Introduction of 3D printer and cad designing	<ul style="list-style-type: none"> Intro to 3D printer for creating 3D Figures
	What is cad Design	<ul style="list-style-type: none"> Understand the concept of CAD for making a 3D figure
	Making of cube inside hollow cylinder	<ul style="list-style-type: none"> Learning of using 3D programming software for designing a hollow cylinder by defining the dimensions
May	Designing a Cup using 3D cad	<ul style="list-style-type: none"> Designing a cup using 3D Printer by defining the dimensions into the Cad software
	Making of bulb holder and tube light	<ul style="list-style-type: none"> Designing a bulb holder and tube light using 3D Printer by defining the dimensions into the Cad software
	Intro to Arduino	<ul style="list-style-type: none"> Understand the use of Arduino Uno and breadboard for creating a arduino project, programming using Arduino.cc
July	Led blinking	<ul style="list-style-type: none"> Learn to program for blinking LED using the 555 timer
	Displaying text onto the LCD Screen	<ul style="list-style-type: none"> Programming of Displaying text onto the screen using arduino
	Make a obstacle avoider robot	<ul style="list-style-type: none"> Learning how ultrasonic sensor detect obstacle in front of it and how it turns the motor in another direction
	Cell phone control robot using DTMF	<ul style="list-style-type: none"> Knowledge of dual tone multiple frequency and how our telephone works while calling
August	Automatic call answering machine	<ul style="list-style-type: none"> By using GSM module make a programme for automatic phone call
	Make a robot which can follow the instruction via call	<ul style="list-style-type: none"> Make a programme of DTMF module for interfacing mobile phone and microcontroller
	Arduino timer tutorial	<ul style="list-style-type: none"> Make a programme of timer on LCD
September	Revision	Half Yearly Examination
October	Scroll words on led matrix	<ul style="list-style-type: none"> learn how to define the row and column of matrix and output pins
	Smart home light system	<ul style="list-style-type: none"> Learn how to control the light bulb and other electrical appliances with smart phones
	Third eye for blind people	<ul style="list-style-type: none"> Learn how to program for sonar system using ATmega328p
November	Density based traffic controller	<ul style="list-style-type: none"> Making a traffic controller system using lm358 ic and raspberry pi
	Smart Phone Controlled Home Automation Using Arduino	<ul style="list-style-type: none"> Learning of making an Artificial Intelligence home automation smart controlled system using wi-fi and Bluetooth Module.
	Home security alarm system	<ul style="list-style-type: none"> Learning of IOT with wi-fi and ATmega328p how to code for making server control
December	Weight measurement system	<ul style="list-style-type: none"> Make the programme of measuring wight with the help load sensor
	Intro to App Inventor software	<ul style="list-style-type: none"> Understand about the app inventor and how it use
	Display student details	<ul style="list-style-type: none"> Programming of displaying the student details onto the android phone using the app inventor
January	Led blinking	<ul style="list-style-type: none"> Programming for LED blinking using app inventor and Arduino controlling from the android phone



	Traffic system	• Programming a traffic light system using the MIT app software
	Control a car	• Programming of app inventor for controlling a robot using the android phones
February	Revision	Annual Examination

Exam Syllabus

Half Yearly
Multiple choice questions based on activities conducted from April to August