



ST. THOMAS SCHOOL

SUNARI, AGRA-283105

+91-7505351623, 9634597550

contact@stthomasschoolagra.in



CLASS-VII

SYLLABUS

(2025-26)



Subject	UT-1	Half-Yearly Exam		UT-2	Annual Exam	
			Project			Project
English Language (Hello! Grammar)	1. Nouns <ul style="list-style-type: none"> - Proper Nouns, Common Nouns - Collective Nouns - Countable and Uncountable Nouns - Material Nouns, Abstract Nouns - Possessive Noun - Formation Of Abstract Nouns From Adjectives, Verbs, Common Nouns 	1. Nouns <ul style="list-style-type: none"> - Proper Nouns, Common Nouns - Collective Nouns - Countable and Uncountable Nouns - Material Nouns, Abstract Nouns - Possessive Noun - Formation Of Abstract Nouns From Adjectives, Verbs, Common Nouns 	Create a short story using a comic strip format. Include dialogues, illustrations and narration.	10. Determiners <ul style="list-style-type: none"> - Article - Possessive, Demonstrative, Distributive, Cardinal, Ordinal, Quantifiers, Interrogative 11. Phrases <ul style="list-style-type: none"> Noun Phrase, Adjective Phrase, Adverb Phrase, Propositional Phrase 12. Clauses <ul style="list-style-type: none"> - Main Clauses, Subordinate Clauses - Noun, Adjective, Adverb, Coordinate Clauses 	10. Determiners <ul style="list-style-type: none"> - Article - Possessive, Demonstrative, Distributive, Cardinal, Ordinal, Quantifiers, Interrogative 11. Phrases <ul style="list-style-type: none"> Noun Phrase, Adjective Phrase, Adverb Phrase, Propositional Phrase 12. Clauses <ul style="list-style-type: none"> - Main Clauses, Subordinate Clauses - Noun, Adjective, Adverb, Coordinate Clauses 	Rewrite the ending of a story or poem you studied. Explain why you changed it and how it affects the message or theme..
	2. Pronoun <ul style="list-style-type: none"> - Personal Pronouns - Demonstrative Pronouns - Interrogative Pronouns - Reflexive Pronouns, Emphatic Pronouns - Possessive Pronouns - Distributive Pronouns - Indefinite Pronouns - Relative Pronouns, Omission of Relative Pronouns 	2. Pronoun <ul style="list-style-type: none"> - Personal Pronouns - Demonstrative Pronouns - Interrogative Pronouns - Reflexive Pronouns, Emphatic Pronouns - Possessive Pronouns - Distributive Pronouns - Indefinite Pronouns - Relative Pronouns, Omission of Relative Pronouns 			13. Sentences - I <ul style="list-style-type: none"> - Assertive, Interrogative, Imperative, Exclamatory Sentences - Affirmative and Negative Sentences - Question Tag 14. Sentences - II <ul style="list-style-type: none"> - Simple, Complex, and Compound Sentences - Transformations and Synthesis 15. Direct & Indirect Speech <ul style="list-style-type: none"> - Rules Relating to Changing Tenses, Pronouns, Punctuation, Time and Place - Transformation of Sentences 	

	<p>3. Adjectives</p> <ul style="list-style-type: none">- Adjective of Quality, Quantity, Number- Demonstrative, Possessive, Interrogative, Distributive, Emphasizing, Exclamatory Adjectives- Degree of Comparison, Formation of Adjectives	<p>3. Adjectives</p> <ul style="list-style-type: none">- Adjective of Quality, Quantity, Number- Demonstrative, Possessive, Interrogative, Distributive, Emphasizing, Exclamatory Adjectives- Degree of Comparison, Formation of Adjectives <p>4. Verbs - I</p> <ul style="list-style-type: none">- Transitive and Intransitive- Finite, Nonfinite Verbs, Infinitive, Participle, Gerund- Regular and Irregular Verbs- Main Verb and Auxiliary Verbs, Modal Verbs <p>5. Verb-II</p> <p>Subject-verb, agreement</p>			<p>16. Active and Passive Voice</p> <ul style="list-style-type: none">- Change of Voice- Tense Rule- Types of Passive Sentences- Appropriate Use of Modal, Passive of Infinitive <p>Composition (Description, Narration, Story, Debate, Picture Study), Formal/Informal Letter, Notice, Email), Diary writng, Speech, Conversational skills, Unseen Passage, Grammar (Phrasal Verbs), (Vocabulary- Synonyms, Antonyms), Book review</p>	
		<p>6. Verbs - III Tenses</p> <ul style="list-style-type: none">- Simple Present, Present Perfect, Present Continuous, Present Perfect Continuous- Simple Past, Past Perfect, Past Continuous, Past Perfect Continuous- Simple Future, Future Perfect, Future Continuous, Future Perfect Continuous <p>7. Adverbs</p> <ul style="list-style-type: none">- Adverb of Time, Place, Manner, Frequency, Degree, Reason- Affirmation or Negation, Interrogative, Relative, Exclamatory Adverbs- Position of Adverbs, Degrees of Comparison, Sentence Adverb				

		<div>8. Prepositions</div> <ul style="list-style-type: none">- Preposition of Place and Positions- Preposition of Time- Preposition of Direction and Movements- Preposition Often Confused- Complex Preposition- Phrasal Verb <div>9. Conjunctions</div> <div>- Coordinating, Subordinating, Correlative Conjunctions</div> <div>Composition (Descriptive, Narrative, Debate, Picture Study), Formal/Informal Letter, Notice writing, Article writing, Unseen Passage, Biography, Vocabulary (One word for many words), Figures of speech (Onomatopoeia, Antithesis, Hyperbole), Grammar (Phrasal Verbs)</div>				
--	--	---	--	--	--	--

Subject	UT-1	Half-Yearly Exam		UT-2	Annual Exam	
			Project			Project
English Literature (Sparrow)	1. Hope is the Thing with Feathers (Poem) 2. The Container 3. Black Beauty-Its Early Life	1. Hope is the Thing with Feathers (Poem) 2. The Container 3. Black Beauty-Its Early Life 4. Paradise: In a Symbol (Poem) 5 The Return of the Iron Man 6. Tryst with Destiny 7. Dear Mum (Poem) 8. India's Mars Mission 9. Island of the Blue Dolphins Novel: The Happy prince, The Nightingale and the Rose, The Selfish Giant Financial Literacy: Ch-1 Banking	Rewrite the story The Container by changing the outcome or giving it a twist at the end.	10. No! (Poem) 11. Macbeth (Part-1) 12. Macbeth (Part-II)	10. Nol (Poem) 11. Macbeth (Part-1) 12. Macbeth (Part-II) 13. The Silver Lining 14. Sachin Bids a Tearful Farewell 15. Last Lesson of the Afternoon (Poem) 16. Gulliver in the Land of the Giants 17. After Twenty Years 18. J.K. Rowling Novel: The Devoted Friend, The Remarkable Rocket Financial Literacy: Ch-2 Types of Bank Accounts	Imagine you are interviewing a character from the story After Twenty Years . Write questions and character’s detailed answers.

Subject	UT-1	Half-Yearly Exam		UT-2	Annual Exam	
			Project			Project
Hindi literature	पाठ 1 - हम पंछी उन्मुक्त गगन के पाठ 2 -हिमालय की बेटियां पाठ 4 -मिठाई वाला	पाठ 1 हम पंछी उन्मुक्त गगन के पाठ 2 हिमालय की बेटियां पाठ 3 कठपुतली पाठ 4 मिठाई वाला पाठ 5 पापा खो गए पाठ 6 शाम एक किसान पाठ 7 अपूर्व अनुभव पाठ 10 खानपान की बदलती तस्वीर पूरक पाठ्यपुस्तक महाभारत कथा अध्याय 1 देवव्रत अध्याय 2 भीष्म-प्रतिज्ञा अध्याय 3 अंबा और भीष्म अध्याय 4 विदुर अध्याय 5 कुंती अध्याय 6 भीम अध्याय 7 कर्ण अध्याय 8 द्रोणाचार्य अध्याय 9 लाख का घर अध्याय 10 पांडवों की रक्षा अध्याय 11 द्रौपदी-स्वयंवर	हिंदी साहित्य के पाँच कवियों या लेखकों के चित्र चिपकाकर कम से कम प्रत्येक का संक्षिप्त परिचय पाँच - पाँच वाक्यों में लिखिए । (A 3 Sheet)	पाठ 8 रहस्य के दोहे पाठ 11 नीलकंठ पाठ 13 वीर कुंवर सिंह	पाठ 8 रहस्य के दोहे पाठ 9 एक तिनका पाठ 11 नीलकंठ पाठ 12 भीर और बरखा पाठ 13 वीर कुंवर सिंह पाठ 14 संघर्ष के कारण मैं तुनुकमिजाज हो गया : धनराज पाठ 15 आश्रम का अनुमानित व्यय पूरक पाठ्यपुस्तिका महाभारत कथा अध्याय 21 अज्ञातवास अध्याय 22 प्रतिज्ञा-पूर्ति अध्याय 23 विराट का भ्रम अध्याय 24 मंत्रणा अध्याय 25 राजदूत संजय अध्याय 26 शांतिदूत श्रीकृष्ण अध्याय 27 पांडवों और कौरवों के सेनापति अध्याय 28 पहला, दूसरा और तीसरा दिन अध्याय 29 चौथा, पाँचवाँ और छठा दिन अध्याय 30 सातवाँ, आठवाँ और नवाँ दिन अध्याय 31 भीष्म सर-शय्या पर	संधि का वर्गीकरण करते हुए प्रत्येक संधि के तीन- तीन उदाहरण लिखकर तालिका बनाइए। (A 3 Sheet)
		अध्याय 12 इंद्रप्रस्थ अध्याय 13 जरासंध अध्याय 14 शकुनि का प्रवेश अध्याय 15 चौसर का खेल एवं द्रौपदी की व्यथा अध्याय 16 धृतराष्ट्र की चिंता अध्याय 17 भीम और हनुमान अध्याय 18 द्वेष करने वाले का जी नहीं भरता अध्याय 19 मायावी सरोवर अध्याय 20 यक्ष-प्रश्न			अध्याय 32 बारहवाँ दिन अध्याय 33 अभिमन्यु अध्याय 34 युधिष्ठिर की चिंता और कामना अध्याय 35 भूरिश्रवा, जयद्रथ और आचार्य द्रोण का अंत अध्याय 36 कर्ण और दुर्योधन भी मारे गए अध्याय 37 अश्वत्थामा अध्याय 38 युधिष्ठिर की वेदना अध्याय 39 पांडवों का धृतराष्ट्र के प्रति व्यवहार अध्याय 40 श्रीकृष्ण और युधिष्ठिर	

Subject	UT-1	Half-Yearly Exam		UT-2	Annual Exam	
			Project			Project
Hindi language	पाठ 1 भाषा -विचार: हिंदी भाषा और व्याकरण-भाषा के रूप, बोली तथा भाषा ,लिपि ,साहित्य,व्याकरण पाठ 2 वर्ण-विचार-वर्णमाला,वर्ण के भेद,स्वर के भेद, स्वरों की मात्राएं,व्यंजनों के भेद,वर्ण विच्छेद पाठ 3 संधि-संधि के भेद, स्वर संधि, व्यंजन संधि, विसर्ग संधि,शब्द भंडार- पर्यायवाची शब्द,विलोम शब्द अनेकार्थी शब्द,वाक्यांशों के लिए एक शब्द, श्रुतिसमभिन्नार्थक शब्द,एकार्थक प्रतीत शब्द, अपठित गद्यांश, औपचारिक पत्र,	पाठ 1 भाषा -विचार: हिंदी भाषा और व्याकरण,भाषा के रूप,बोली तथा भाषा,लिपि,साहित्य,व्याकरण पाठ 2 वर्ण-विचार-वर्णमाला,वर्ण के भेद, स्वर के भेद,स्वरों की मात्राएं, व्यंजनों के भेद,वर्ण विच्छेद, पाठ 3 संधि- संधि के भेद,स्वर संधि, व्यंजन संधि,विसर्ग संधि पाठ 4 शब्द विचार- शब्द भेद पाठ 5 शब्द: रचना उपसर्ग, प्रत्यय और समास,उपसर्ग,प्रत्यय, समास पाठ 7 संज्ञा- संज्ञा के भेद, भाववाचक संज्ञा की रचना पाठ 8 संज्ञा के विकारी तत्व: लिंग ,वचन व कारक लिंग, लिंग परिवर्तन, वचन,वचन के भेद, वचन की पहचान,एकवचन से बहुवचन बनाने के नियम,कारक, कारक के भेद पाठ 9 सर्वनाम-सर्वनाम के भेद,शब्द भंडार- पर्यायवाची शब्द, विलोम शब्द, अनेकार्थी शब्द, वाक्यांशों के लिए एक शब्द, श्रुतिसमभिन्नार्थक शब्द,एकार्थक प्रतित शब्द,अपठित गद्यांश,अपठित काव्यांश,औपचारिक पत्र, मुहावरे,अनुच्छेद लेखन,कहानी लेखन	प्रदूषण से संबंधित चित्र चिपकाकर कम से कम 50 शब्दों का अनुच्छेद चित्र के विषय में लिखिए	पाठ 10 विशेषण -विशेषण के भेद,विशेषण का तुलनात्मक प्रयोग, पाठ 11 क्रिया, क्रिया के भेद पाठ 12 काल ,काल,काल के भेद ,भूतकाल के भेद,वर्तमान काल के भेद, भविष्य काल के भेद,शब्द भंडार- पर्यायवाची शब्द, विलोम शब्द, अनेकार्थी शब्द, वाक्यांशों के लिए एक शब्द, श्रुतिसमभिन्नार्थक शब्द,एकार्थक प्रतित शब्द,अपठित गद्यांश, अनौपचारिक पत्र	पाठ 10 विशेषण - विशेषण के भेद, विशेषण का तुलनात्मक प्रयोग, पाठ 11 क्रिया- क्रिया, क्रिया के भेद, पाठ 12 काल- काल,काल के भेद, भूतकाल के भेद, वर्तमान काल के भेद, भविष्य काल के भेद, पाठ 13 वाच्य, वाच्य के भेद, वाच्य परिवर्तन, पाठ 14 अविकारी शब्द, क्रिया विशेषण, संबंधबोधक,समुच्चयबोधक,विस्मयादिबोधक, निपात, पाठ15 वाक्य विचार,वाक्य के अंग, उद्देश्य विधेय, वाक्य के भेद, वाक्य परिवर्तन, पाठ 16 वाक्यशोधन, उच्चारण दोष, व्याकरण के नियमों की जानकारी, पाठ 17 विराम चिन्ह,शब्द भंडार- पर्यायवाची शब्द विलोम शब्द ,अनेकार्थी शब्द वाक्यांशों के लिए एक शब्द, श्रुतिसमभिन्नार्थक शब्द,एकार्थक प्रतित शब्द,अपठित गद्यांश, अपठित काव्यांश,अनौपचारिक पत्र,लोकोक्तियां, संवाद लेखन,निबंध लेखन	अपने पसंदीदा खेल से संबंधित चित्र चिपकाकर उसकी जानकारी से संबंधित कम से कम 10 वाक्य लिखिए ।

Subject	UT-1	Half-Yearly Exam		UT-2	Annual Exam	
			Project			Project
Mathematics	Ch-1 Integers <ul style="list-style-type: none"> • Multiplication and division of integers (through patterns). Division by zero is meaningless • Properties of integers (including identities for addition & multiplication, commutative, associative, distributive) (through patterns). These would include examples from whole numbers as well. Involve expressing commutative and associative properties in a general form. Construction of counterexamples, including some by children. Counter examples like subtraction is not commutative. • Word problems including integers (all operations) 	Ch-1 Integers <ul style="list-style-type: none"> • Multiplication and division of integers (through patterns). Division by zero is meaningless • Properties of integers (including identities for addition & multiplication, commutative, associative, distributive) (through patterns). These would include examples from whole numbers as well. Involve expressing commutative and associative properties in a general form. Construction of counterexamples, including some by children. Counter examples like subtraction is not commutative. • Word problems including integers (all operations) 	Conduct a small survey of 10 friends of yours regarding number of screening hours (watching TV and using mobile phone) <ul style="list-style-type: none"> • record your finding in a tally chart • represent the data using a bar graph and present it on A4 sheet 	Ch8- Rational Numbers <ul style="list-style-type: none"> • Introduction • Need for rational numbers • Positive and Negative rational numbers • Rational numbers on number line • Rational numbers between two rational numbers 	Ch8- Rational Numbers <ul style="list-style-type: none"> • Introduction • Need for rational numbers • Positive and Negative rational numbers • Rational numbers on number line • Rational numbers between two rational numbers Ch9- Perimeter and Area <ul style="list-style-type: none"> • Area of parallelogram • Area of triangle • Area of Circle • Circumference of a circle 	Prepare a PPT on visualising solid shapes, focusing on number of faces ,edges and vertices in different solid shapes
	Ch-2 Fraction and Decimals <ul style="list-style-type: none"> • Multiplication of fractions • Fraction as an operator • Reciprocal of a fraction • Division of fractions • Word problems involving mixed fractions • Introduction to rational numbers (with representation on number line) • Operations on rational numbers (all operations) <ul style="list-style-type: none"> • Representation of rational number as a decimal. • Word problems on rational numbers (all operations) • Multiplication and division of decimal fractions 	Ch-2 Fraction and Decimals <ul style="list-style-type: none"> • Multiplication of fractions • Fraction as an operator • Reciprocal of a fraction • Division of fractions • Word problems involving mixed fractions • Introduction to rational numbers (with representation on number line) • Operations on rational numbers (all operations) <ul style="list-style-type: none"> • Representation of rational number as a decimal. • Word problems on rational numbers (all operations) • Multiplication and division of decimal fractions 		Ch10 - Algebraic Expressions <ul style="list-style-type: none"> • Generate algebraic expressions (simple) involving one or two variables • Identifying constants, coefficient, power • Like and unlike terms, degree of expressions e.g., x^2 etc. (exponent ≤ 3, number of variables) • Monomials, Binomials, Trinomials and Polynomials • Finding the value of an expression 	Ch10 - Algebraic Expressions <ul style="list-style-type: none"> • Generate algebraic expressions (simple) involving one or two variables • Identifying constants, coefficient, power • Like and unlike terms, degree of expressions e.g., x^2 etc. (exponent ≤ 3, number of variables) • Monomials, Binomials, Trinomials and Polynomials • Finding the value of an expression Ch11-Exponents and Powers <ul style="list-style-type: none"> • Exponents • Laws of exponents 	

		<div>Ch3-Data Handling</div> <ul style="list-style-type: none">•Collection and organisation of data –the data to collect for a hypothesis testing.•Mean, median and mode of ungrouped data – understanding what they represent.•Constructing bar graphs <div>Ch4- Simple Equation</div> <ul style="list-style-type: none">• understanding of equation•Solving an equation•Word problems based on application of simple equation understanding of equation <div>Ch5 -Lines And Angles</div> <ul style="list-style-type: none">•Introduction•Related Angles•Pairs of lines			<div>Ch12- Symmetry</div> <ul style="list-style-type: none">• Recalling reflection symmetry• Idea of rotational symmetry, observations of rotational symmetry of 2-D objects.• Operation of rotation <ul style="list-style-type: none">• Examples of figures with both rotation and reflection symmetry (both operations)• Examples of figures that have reflection and rotation symmetry and vice-versa	
--	--	--	--	--	--	--

		<div>Ch6 - The Triangle and its Properties</div> <ul style="list-style-type: none">• Introduction• Medians of a Triangle• Altitudes of a Triangle• Exterior Angle of a Triangle and its Property• Equilateral and Isosceles Triangle• Right-angled Triangle and Pythagoras Property <div>Ch7- Comparing Quantities</div> <ul style="list-style-type: none">• Percentage• Converting fractional numbers to percentage• Converting decimals to percentage• Use of percentage <div>Financial Literacy: Ch-8 Simple Interest</div>			<div>Ch13- Visualising Solid Shapes</div> <ul style="list-style-type: none">• Plane figures and Solid Shapes• Faces ,Edges and Vertices• Nets for building 3D Shapes• Drawing solids on a flat surface• Isometric sketches• Visualising solid objects	
--	--	--	--	--	--	--

Subject	UT-1	Half-Yearly Exam		UT-2	Annual Exam	
			Project			Project
PHYSICS	1. Physical Quantities and Measurement •Concept of unit volume • Measurement of Area: •Estimate the Area of irregular shape using a Graph paper • Measurement of Density of regular solids: •Basic concept •Formula •Simple Numerical (SI units not required) • Calculation of Speed: •Basic Concept •Formula Simple Numerical (SI units not required).	1.Physical Quantities and Measurement Measurement of Volume (3D concept): •Concept of unit volume • Measurement of Area: •Estimate the Area of irregular shape using a Graph paper • Measurement of Density of regular solids: •Basic concept •Formula •Simple Numerical (SI units not required) • Calculation of Speed: •Basic Concept •Formula •Simple Numerical (SI units not required).	Estimate the area of two irregular shapes (like a leaf) using graph paper. Compare their areas.	5.Heat •Heat as a form of energy and its units, joule(J) and calorie (cal). Different units of Temperature (°C, °F, K). •Effects of Heat: •Change in Temperature. •Change in Size (Expansion and contraction). •Change in State. •Good Conductors and Bad Conductors of Heat and their examples. •Choice of conductors and insulators in day to day life (Pan handles, metal cooking utensils etc.) •Methods of Heat Transfer: •Conduction •Convection •Radiation •Thermos Flask: (Application of Heat Transfer) •Construction •Working	5.Heat •Heat as a form of energy and its units, joule(J) and calorie (cal). Different units of Temperature (°C, °F, K). •Effects of Heat: •Change in Temperature. •Change in Size (Expansion and contraction). •Change in State. •Good Conductors and Bad Conductors of Heat and their examples. •Choice of conductors and insulators in day to day life (Pan handles, metal cooking utensils etc.) •Methods of Heat Transfer: •Conduction •Convection •Radiation •Thermos Flask: (Application of Heat Transfer) •Construction Working	Build a simple periscope using mirrors to understand how reflection allows us to see objects that are not in our direct line of sight.

	<p>2.Force and Pressure: Motion</p> <ul style="list-style-type: none">•Motion as a change in position of an object with respect to time.•Types of motion:•Translatory•Circulatory•Oscillatory•Repetitive (Periodic and Non Periodic)•Random•Uniform and Non Uniform Motion: concept of distance and speed (average speed) Weight:•Concept•Differences between Mass and Weight.	<p>2.Force and Pressure: Motion</p> <ul style="list-style-type: none">•Motion as a change in position of an object with respect to time.•Types of motion:•Translatory•Circulatory•Oscillatory•Repetitive (Periodic and Non Periodic)•Random•Uniform and Non Uniform Motion: concept of distance and speed (average speed) Weight:•Concept•Differences between Mass and Weight. <p>3.Energy</p> <ul style="list-style-type: none">•Energy as capacity to do work.•Units of energy (joule and calorie).•Different forms of energy.•Inter-conversion of energy•Law of Conservation of Energy:•Real world examples.		<p>6.Sound</p> <ul style="list-style-type: none">•Sound as a longitudinal wave. <p>Characteristics of a sound wave: Amplitude (Relate amplitude with loudness) and Frequency.</p> <ul style="list-style-type: none">•Sound needs a medium to propagate.•Reflection and Absorption of sound.•Relative speed of sound in different mediums.	<p>6.Sound</p> <ul style="list-style-type: none">•Sound as a longitudinal wave. <p>Characteristics of a sound wave: Amplitude (Relate amplitude with loudness) and Frequency.</p> <ul style="list-style-type: none">•Sound needs a medium to propagate.•Reflection and Absorption of sound. <p>Relative speed of sound in different mediums.</p>	
--	---	---	--	---	---	--

		<p>4.Light Energy</p> <ul style="list-style-type: none">•Definition and Examples.•Terms related to reflection - normal, plane, point of incidence, angle of incidence, angle of reflection.•Laws of Reflection.•Plane mirror:•Uses.•Ray Diagram (no mention of virtual image). Characteristics of the image formed (Lateral Inversion, same size, distance is preserved).•Speed of light (3×10^8 m/s). <p>Primary colours (RGB).</p> <ul style="list-style-type: none">•Formation of secondary colours by colour addition.•Appearance of colour of an object (based on reflection and absorption) <p>Colour subtraction</p> <p>Financial Literacy: Ch-5 Consumer Protection</p>			<p>7.Electricity and Magnetism</p> <ul style="list-style-type: none">•Law of Magnetism•Test for a magnet (by repulsion)•Electromagnetism, Electromagnets and their applications- Electric bell Electric current as a flow of charges•Electric cell as source of electricity•Resistors as components that oppose the flow of current.•Symbolic representation of electrical components <p>Financial Literacy: Ch-7 Basic Terms in Financial Literacy</p>	
--	--	--	--	--	--	--

Subject	UT-1	Half-Yearly Exam		UT-2	Annual Exam	
			Project			Project
CHEMISTRY	Chapter 1: Matter and its Composition * Definition of matter ,its composition * Difference and Interconversion of states of matter "	Chapter 1: Matter and its Composition •Definition of matter ,its composition •Difference and Interconversion of states of matter "	Some elements such as iron and copper show variable Valency. Use library book or the internet as your reference to make a list of 10 such elements and the variable valency that they show in the form of a presentation and present on A4 sheet	Chapter 2: Physical and Chemical Changes •Physical and chemical changes. •Chemical change -formation of a new product with new properties. •Differentiating between physical and chemical change. •Classification as physical & chemical change. •Types of change involved when there is a change of state of matter. •Types of change involved when there is a change of energy.	Chapter 2: Physical and Chemical Changes •Physical and chemical changes. •Chemical change -formation of a new product with new properties. •Differentiating between physical and chemical change. •Classification as physical & chemical change. •Types of change involved when there is a change of state of matter. •Types of change involved when there is a change of energy.	Collect information on the effects of acid rain on soil, bridges, corals, aquatic life and monuments, using the internet and other related sources. Make a power point presentation on the effects of acid rain and how it can be reduced.
		Chapter 3: Elements, Compounds and Mixtures •Identification of elements, and compounds from representation of their symbols and formulae. •difference between elements ,mixtures and compounds •Types of mixtures: - Homogeneous & Heterogeneous mixtures • On the basis of State: Solid –solid; Solid-liquid; Liquid-liquid mixtures • Separation techniques: evaporation,distillation,use of separating funnel, sublimation, fractional distillation. • Examine the principle behind each separation technique. • Chromatography as a separation technique; Paper chromatography.		Chapter5: Language of Chemistry •Chemical reactions A chemical reaction may take place when two or more reactants come in contact with one another and transfer of energy takes place. •Characteristics of occurrence of a chemical reaction: Change of: •Colour • State •Evolution of gas •Precipitate formed •Heat evolved / released • Chemical Equations: Writing word equations for chemical reactions and emphasize on the observational skills and the names of products formed	Chapter5: Language of Chemistry •Chemical reactions A chemical reaction may take place when two or more reactants come in contact with one another and transfer of energy takes place. •Characteristics of occurrence of a chemical reaction: Change of: •Colour • State •Evolution of gas •Precipitate formed •Heat evolved / released • Chemical Equations: Writing word equations for chemical reactions and emphasize on the observational skills and the names of products formed	

		<p>Chapter 4: Atomic Structure Atoms, Molecules and Radicals</p> <ul style="list-style-type: none">• An atom is the smallest particle of an element.• It is not capable of independent existence.• The properties of an element depend upon the atoms constituting it.• A molecule is the smallest particle of an element or compound, capable of independent existence. It consists of one or more than one atom of the same or different elements.• A radical is a single atom of an element or a group of atoms of different elements behaving as single charged unit.			<p>Chapter 6: Metals and Non-Metals</p> <ul style="list-style-type: none">• Metals, non-metals Properties• Distinguish between metals and non-metals• Classification of elements as metals & non-metals.• Corrosion of iron (rusting); ways to prevent rusting• Uses of certain metals (iron, gold, copper, aluminium, zinc, lead, magnesium).• Metalloids: elements that show the properties of both tungsten, antimony); uses. metals and non-metals –e.g. silicon, germanium,	
--	--	---	--	--	---	--

		<ul style="list-style-type: none">• Atomicity (no. of atoms in an entity) of elements and compounds – mono atomic, di atomic, tri atomic, polyatomic.• Associate the first 20 elements in the periodic table with their names and symbols• Valency is the combining capacity of an element or the number of hydrogen atoms with which it combines or replaces.			<p>Chapter 7: Air and Atmosphere</p> <ul style="list-style-type: none">• Air a mixture of gases.• Composition of air and uses of its components.• Oxygen is needed for combustion.• Mass change during burning (burning of magnesium and candle).• Word equations for reactions of metals and non-metals with O.• Products formed in acid rain; effects of acid rain.• Air quality. Study the properties of oxygen: (physical• properties to include• colour, odour).• Distinguish between: Respiration and combustion,• Combustion and rusting.	
--	--	--	--	--	--	--

Subject	UT-1	Half-Yearly Exam		UT-2	Annual Exam	
			Project			Project
Biology	Ch - 1 Organization in Living Things: *Definition of tissue *Classification of plant tissues-meristematic, simple permanent, complex permanent *Animal Tissue- epithelial, connective, muscular, nerve	Ch - 1 Organization in Living Things: *Definition of tissue *Classification of plant tissues-meristematic, simple permanent, complex permanent *Animal Tissue- epithelial, connective, muscular, nerve	Prepare a Power Point presentation on different uses and harms of bacteria and fungi related to our daily life.	Ch - 3: Kingdom Classification II *Vertebrates *Invertebrates: 9 major Phyla ,Porifera, Cnidaria, coelenterata, Platyhelminthes, Nematoda, Annelida ,Arthropoda, Mollusca,Echinodermata *Classification of Vertebrates:5 classes, Pisces, Amphibia Reptilia ,Aves, Mammalia	Ch - 3: Kingdom Classification II *Vertebrates *Invertebrates: 9 major Phyla ,Porifera, Cnidaria, coelenterata, Platyhelminthes, Nematoda, Annelida ,Arthropoda, Mollusca,Echinodermata *Classification of Vertebrates:5 classes, Pisces, Amphibia Reptilia ,Aves, Mammalia	Collect information on human nervous system including brain, spinal cord and neurons. Find out more about the nervous system of other animals using different sources such as internet. Make a Power Point presentation on it and present it in class.
	Ch - 4 Plant Life: *Photosynthesis *Definition, basic process, factors affecting Photosynthesis, significance of photosynthesis, set-up *Experiment to demonstrate photosynthesis process *Respiration *Basic process, word equation, respiration as a process which releases energy, respiration in plants:two types(aerobic and anaerobic: basic concept ,word equations for both , examples) *Respiration and photosynthesis in plants, difference in both processes	Ch - 2 Kingdom Classification 1 *Classification and its need *Advantages of Classification *Characteristics of each kingdom with suitable examples *Monera:Bacteria-shape;useful Bacteria and harmful Bacteria *Protista:Amoeba-basic structure and life processes (nutrition, locomotion, respiration, excretion and reproduction by binary and multiple fission)		Ch – 6:The Nervous System *Main parts of the nervous system: brain ,spinal cord, and nerves *Brain and its parts *Spinal cord: location and function *Nerves: general function	Ch – 6:The Nervous System *Main parts of the nervous system: brain ,spinal cord, and nerves *Brain and its parts *Spinal cord: location and function *Nerves: general function	

		<p>Ch - 4 Plant Life:</p> <ul style="list-style-type: none"> *Photosynthesis *Definition, basic process, factors affecting Photosynthesis, significance of photosynthesis, set-up *Experiment to demonstrate photosynthesis process *Respiration *Basic process, word equation, respiration as a process which releases energy, respiration in plants:two types(aerobic and anaerobic: basic concept ,word equations for both , examples) *Respiration and photosynthesis in plants, difference in both processes 			<p>Ch – 7: Allergy</p> <ul style="list-style-type: none"> *Concept of allergy *Allergens *Entry routes of allergens *Symptoms of allergic reaction *Types of allergies *Precautions and care to be taken by a person who is prone to allergies. 	
		<p>Ch - 5 Excretory System</p> <ul style="list-style-type: none"> *Excretion:Definition *Organs and their excretory products (kidneys,sweat glands,lungs) *Excretory system in humans- Kidneys, ureter, urinary bladder ,urethra(location and functions to be explained along with diagram) *Role of kidneys in filtration of blood through millions of nephrons; common disorders of the urinary system :Urinary Tract Infection, kidney stone 				

Subject	UT-1	Half-Yearly Exam		UT-2	Annual Exam	
			Project			Project
Geography (Essential ICSE)	Chapter 1 – Representation of Geographical features : *Scale *Types of Maps *Directions *Grid *Eastings and Northings *Colours and Conventional Symbols	Chapter 1 – Representation of Geographical features : *Scale *Types of Maps *Directions *Grid *Eastings and Northings *Colours and Conventional Symbols	Use different ground covers (grass, sand ,bare soil) and simulate rainfall to observe erosion and run off. Write report .	Chapter – 6: Energy and power resources: Renewable energy,Resources word Running water ,Wind ,Solar energy, Non-renewable – Fossil fuels ,Petroleum and Natural gas ,Conservation of energy resources.	Chapter – 6: Energy and power resources: Renewable energy,Resources word Running water ,Wind ,Solar energy, Non-renewable – Fossil fuels ,Petroleum and Natural gas ,Conservation of energy resources.	Create a scrapbook or collage of major festivals ,food,fashion and music from various European countries.
	Chapter 2-The Atmosphere: *Composition of the Atmosphere *Layers of the Atmosphere *Importance of the Atmosphere *Heating of the Atmosphere *Threats to the Atmosphere	Chapter 2-The Atmosphere: *Composition of the Atmosphere *Layers of the Atmosphere *Importance of the Atmosphere *Heating of the Atmosphere *Threats to the Atmosphere		Chapter 7 -Study of continents: Europe Location, European countries, The land the Central lowlands,The Central uplands, The Alpine Mountains, Resources and their utilisation ,Tourism and Switzerland,Factors affecting tourism in Switzerland.	Chapter 7 -Study of continents: Europe Location, European countries, The land the Central lowlands,The Central uplands, The Alpine Mountains, Resources and their utilisation ,Tourism and Switzerland,Factors affecting tourism in Switzerland.	
		Chapter 3 – Weather and climate: What is weather ?,What is climate?,How climate affects us ?, Weather elements and their observation, Air Pressure, Wind Speed and Direction,Humidity,Precipitation Clouds ,Meteorology Map Work			Chapter 8- Study of Continents- Africa The land, Plains, Rift valleys Deserts , Forest and Grasslands,Rivers ,Resources and their utilisation,Agriculture Mineral and Fossil fuels Industries Transportation and cities,Cacao cultivation in Ghana.	

		<p>Chapter 4-Weathering and soil information: Lithosphere ,Rocks ,Types of rocks ,Weathering, Mechanical weathering, Chemical weathering, Biological weathering, Soil formation, Types of soils,Conservation of soil</p>			<p>Chapter 9-Study of continents :Australia- The land, Resources and their utilisation ,Pastoral farming ,Transportation and cities farming in Australia Sheep Shearing .</p> <p>Chapter 10- Study of continents: Antarctica Discovery and exploration, The Land, Resources and their utilisation,Humans in Antarctica ,Indians in Antarctica.</p>	
		<p>Chapter 5: Industries: Importance of industries, Types of industries ,Location of industries, Major Industries and Industrial pollution. Map Work</p>			<p>Map Work</p>	

Subject	UT-1	Half-Yearly Exam		UT-2	Annual Exam	
			Project			Project
History/Civics (Prachi)	Chapter 1 - Medieval Europe Rise and spread of Christianity Origins of Christianity Christianity Under the Roman Empire The Church Hierarchy and Structure Monasticism and Missionary Work Christianity and Medieval Society Role of the Church in Politics Crusades and Religious Conflict Schisms and Challenges to the Church Art, Architecture, and Learning	Chapter 1 - Medieval Europe Rise and spread of Christianity Origins of Christianity Christianity Under the Roman Empire The Church Hierarchy and Structure Monasticism and Missionary Work Christianity and Medieval Society Role of the Church in Politics Crusades and Religious Conflict Schisms and Challenges to the Church Art, Architecture, and Learning	Make a chart on A4 analyzing Muhammad bin Tughlaq's Experiments. (Token, Currency, Capital shift) with Pros. and Cons.	Chapter 7 - The Vijayangara and Bahmani Kingdom Foundation Important Dynasties Krishna Deva Raya Society and Culture Architecture Decline of Vijayanagara Bahmani Kingdom Foundation Administration and Rulers Economy and Trade Society and Culture Administration and Governance Art, Architecture, and Urban Development Military and Warfare Foreign Relations Decline and Fragmentation	Chapter 7 - The Vijayangara and Bahmani Kingdom Foundation Important Dynasties Krishna Deva Raya Society and Culture Architecture Decline of Vijayanagara Bahmani Kingdom Foundation Administration and Rulers Economy and Trade Society and Culture Administration and Governance Art, Architecture, and Urban Development Military and Warfare Foreign Relations Decline and Fragmentation	Describe a decorative scroll of the Preamble with illustrations showing it's key values- Justice, Liberty, Equality and Fraternity.
	Chapter -2 Rise and spread of Islam Origins of Islam. Core Beliefs and Practices Expansion under the Rashidun Caliphs The Umayyad and Abbasid Caliphates Spread Through Trade and Sufism Islamic Rule and Society Fragmentation and Regional Dynasties Legacy and Impact	Chapter -2 Rise and spread of Islam Origins of Islam. Core Beliefs and Practices Expansion under the Rashidun Caliphs The Umayyad and Abbasid Caliphates Spread Through Trade and Sufism Islamic Rule and Society Fragmentation and Regional Dynasties Legacy and Impact		Chapter 8 - Mughal Empire Foundation and Expansion Mughal Rulers Administration and Governance Economy and Trade Art, Culture, and Architecture Religion and Society Military Structure Foreign Relations Decline of the Empire	Chapter 8 - Mughal Empire Foundation and Expansion Mughal Rulers Administration and Governance Economy and Trade Art, Culture, and Architecture Religion and Society Military Structure Foreign Relations Decline of the Empire	

	<p>CIVICS</p> <p>Chapter -1 The Constitution of India</p> <p>Historical Background</p> <p>Constituent Assembly</p> <p>Preamble</p> <p>Features of the Indian Constitution</p> <p>Fundamental Rights</p> <p>Directive Principles of State Policy (DPSPs)</p> <p>Fundamental Duties</p> <p>Union Government Structure</p> <p>State Government Structure</p> <p>Judiciary</p> <p>Elections and Electoral System</p> <p>Federal System and Centre-State Relations</p> <p>Emergency Provisions</p> <p>Amendments to the Constitution</p> <p>Schedules and Appendices</p>	<p>Chapter -3 The Turkish Invasion</p> <p>Mahmud of Ghazni (997–1030 CE).</p> <p>Muhammad Ghori (1173–1206 CE)</p> <p>Establishment of the Delhi Sultanate</p> <p>Impact of Turkish Invasions</p> <p>Military and Administrative Changes</p> <p>Historical Sources</p>		<p>CIVICS</p> <p>Chapter -2 Directive Principles of State Policy</p> <p>Introduction and Definition</p> <p>Historical Background</p> <p>Classification of DPSPs</p> <p>Gandhian Principles</p> <p>Liberal-Intellectual (Western) Principles</p> <p>Implementation and Achievements</p> <p>DPSPs vs. Fundamental Rights</p> <p>Amendments Related to DPSPs</p> <p>Article-Wise Summary of DPSPs</p> <p>Significance and Limitations</p> <p>Current Relevance</p>	<p>Chapter - 9 Akbar the Great: A Case Study of Akbar and His Times</p> <p>Early Life and Accession</p> <p>Military Campaigns and Expansion</p> <p>Religious Policy</p> <p>Social Reforms</p> <p>Art, Culture, and Literature</p> <p>Architecture and Urban Planning</p> <p>Foreign Relations</p> <p>Chapter- 10 Jahangir and Shah Jahan</p> <p>Early Life and Accession</p> <p>Administrative Policies</p> <p>Military Campaigns and Expansion</p> <p>Role of Royal Women</p> <p>Religious Policy</p> <p>Art and Culture</p> <p>Architecture and Monuments</p> <p>Literature and Historical Sources</p> <p>Challenges and Decline</p> <p>Legacy</p>	
		<p>Chapter -4 The Delhi Sultanate I</p> <p>Establishment of the Delhi Sultanate</p> <p>The Mamluk (Slave) Dynasty (1206–1290 CE)</p> <p>The Role of Nobility and the ‘Chalisa’</p> <p>Administration and Military</p> <p>Art and Architecture</p> <p>Challenges to the Delhi Sultanate</p> <p>.</p>			<p>Chapter - 11 Aurangzeb and His Deccan Policy & Decline of the Mughal Empire</p> <p>Aurangzeb: Early Life and Accession</p> <p>Aurangzeb’s Religious Policy</p> <p>Deccan Policy: Aims and Phases</p> <p>Consequences of Deccan Policy</p> <p>Decline of the Mughal Empire</p> <p>Weak Successors</p> <p>Rise of Regional Powers</p> <p>Summary: Causes of Decline</p>	

		Chapter -5 The Delhi Sultanate II Khilji Dynasty (1290–1320 CE) Tughlaq Dynasty Sayyid Dynasty Lodi Dynasty Society and Economy During Later Sultanate Decline of the Delhi Sultanate			Chapter 12- Making of Composite Culture Religious and Spiritual Synthesis Social and Cultural Interactions Political Policies Promoting Unity Language and Literature Music and Dance Art, Architecture, and Craft Food and Lifestyle Festivals and Traditions Regional Variations of Composite Culture Legacy and Relevance Today	
		Chapter -6 The Delhi Sultanate III Administration of the Sultanate Revenue System and Economy Society and Culture Architecture and Art The Role of Religion Decline and Legacy			CIVICS Chapter -2 Directive Principles of State Policy Introduction and Definition Historical Background Classification of DPSPs Gandhian Principles Liberal-Intellectual (Western) Principles Implementation and Achievements DPSPs vs. Fundamental Rights Amendments Related to DPSPs Article-Wise Summary of DPSPs Significance and Limitations Current Relevance	

		<p>CIVICS</p> <p>Chapter -1 The Constitution of India</p> <p>Historical Background</p> <p>Constituent Assembly</p> <p>Preamble</p> <p>Features of the Indian Constitution</p> <p>Fundamental Rights</p> <p>Directive Principles of State Policy (DPSPs)</p> <p>Fundamental Duties</p> <p>Union Government Structure</p> <p>State Government Structure</p> <p>Judiciary</p> <p>Elections and Electoral System</p> <p>Federal System and Centre-State Relations</p> <p>Emergency Provisions</p> <p>Amendments to the Constitution</p> <p>Schedules and Appendices</p>			<p>PDFS, Map Work, Practice Paper 1, Diagrams.</p> <p>Map book- India in 2nd century,New Empires and Kingdoms,The Kingdom of Harsha,India's contact with the world,Peninsular India.</p> <p>Financial Literacy:</p> <p>Ch-6 Borrowing</p>	
		<p>PDFS, Map Work, Practice Paper 1, Diagrams.</p> <p>Map book- India - Sites of Human,Indus valley civilisation,India- The Mahajanapadas, India under Chandragupta Maurya,Ashoka the Emperor,The Mauryan empire the cities.</p> <p>Financial Literacy:</p> <p>Ch-4 Reserve Bank of India</p>				

Subject	UT-1	Half-Yearly Exam		UT-2	Annual Exam	
			Project			Project
Computer Studies	Ch-1: Hardware Components- Internal Hardware External Hardware	Ch-1: Hardware Components- Internal Hardware External Hardware	Make a presentation on Number System with nice formatting and animation effects.	Ch-5: Introduction to Spreadsheet- Workbook and Worksheet, Components of Worksheet, Moving around Worksheet, Entering data, Types of data, Performing calculation	Workbook and Worksheet, Components of Worksheet, Moving around Worksheet, Entering data, Types of data, Performing calculation	Create a database with a table Teachers, by defining the fields: ID, First_Name, Last_Name, Date_of_Birth, Department, Email, Address, City, and ZIP/Postal Code. Enter 15 records in it.
	Ch-2: Number System- Decimal Number System Binary Number System Octal Number System Hexadecimal Number System	Ch-2: Number System- Decimal Number System Binary Number System Octal Number System Hexadecimal Number System		Ch-6: More features of Spreadsheet- Selecting cell, Changing Cell contents, Using Undo and Redo features, Insert and delete- Cell,rows,columns, Copying and Moving data, Digital features	Ch-6: More features of Spreadsheet- Selecting cell, Changing Cell contents, Using Undo and Redo features, Insert and delete- Cell,rows,columns, Copying and Moving data, Digital features	
		Ch-3: Computer Virus- Virus, Virus Symptoms, Types of Virus, Spread of virus, Difference form of virus attack, Way to prevent virus, Antivirus			Ch-7: Introduction to DBMS- DBMS, Advantages of DBMS, Microsoft Access, Components of MS-Access 2021, Data Types, Primary Key, Query, Creating a Query, Closing Access Application, Opening an Existing Database	

		<div>Ch-4: Ehics and safety Measures- The internet, Advantages and disadvantages of internet, Computer ethics, Unethical practices, Safety, Digital footprints</div> <div>Financial Literacy: Ch-3 Use of New Technology in Banking</div>			<div>Ch-8: Advanced Features of HTML- List Inserting Images Linking Web pages Tables Forms</div>	
--	--	---	--	--	--	--

Subject	Half-Yearly Exam	Annual Exam
Value Education (Count your blessing)	1.Being Patriotic 2.Love-Essence of Life 3.Overcoming Stage Fright 4 Seeking peace 5.Gender Equality 6.Learning to Move On 7.Making Life Worthwhile Prayer on Forgiveness Write a diary entry for each chapter	8.Coexisting Peacefully 9.Judging Fairly 10.Keep Trying 11.Learn to Help Yourself 12.Empowering the Differently Abled 13.Keeping Humanity Alive 14. Say no to plastic 15.A Dam for Feelings Prayer on Gratitude Write a diary entry for each chapter

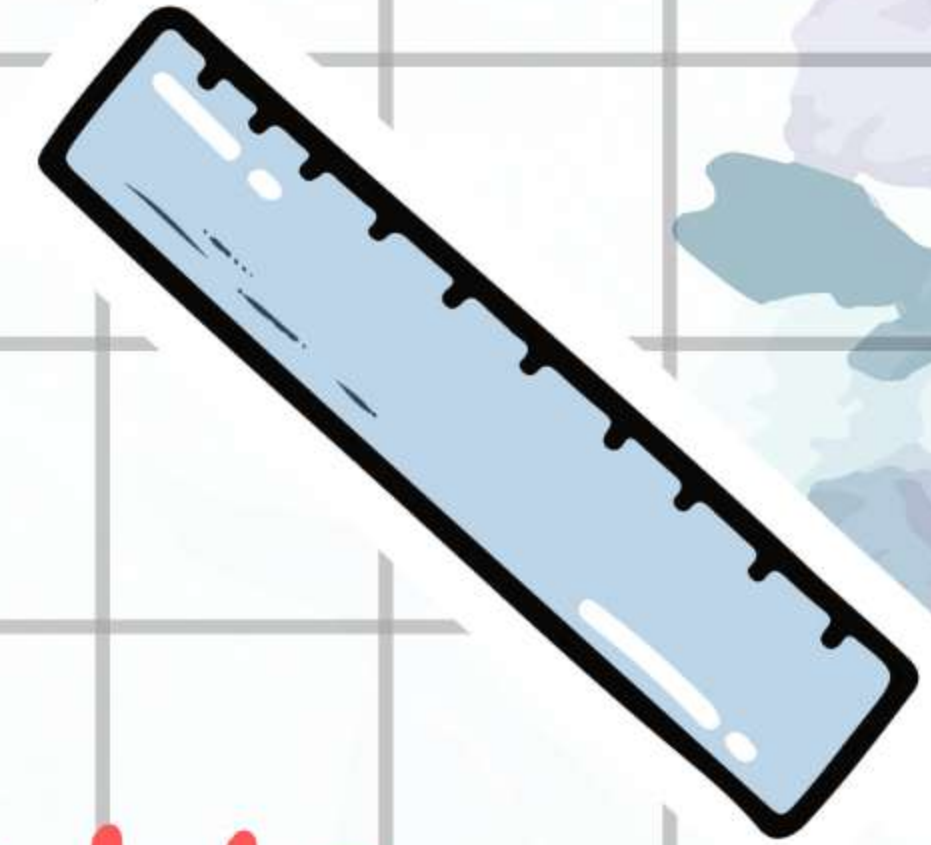
Subject	Half-Yearly Exam	Annual Exam
Sanskrit	पाठ 1 लङ्लकारः प्रथम पुरुष पाठ 2 लङ् लकार मध्यम पुरुष पाठ 3 लङ् लकार उत्तम पुरुषः पाठ 4 लोट् लकार पाठ 5.विधिलिङ्लकार पाठ 6 मम विद्यालयः पाठ 7 गर्दभस्य गीतम् पाठ 8 संस्कृत भाषायाः महत्त्वम् पाठ 9 सुभाषितानि विपरीतार्थक शब्द ,पर्यायवाची शब्द , फलों के नाम ,सब्जियों के नाम, पशुओं के नाम ,संधि (यण तथा वृद्धि) शब्द रूप (राजन्) धातु रूप (भू)।	पाठ 10 दयालुः सिद्धार्थः पाठ 11 पांडवाः यक्षः च पाठ 12 मनसा सततं स्मरणीयम् पाठ 13 वसंत राजः पाठ 14 संगठनेशक्तिः पाठ 15 प्रहेलिकाः पाठ 16गृध्रः मार्जारस्य कथा पाठ 17 गणतंत्र दिवसः पाठ 18 नीति वचनानि व्यवसाय संबंधियों के नाम, संबंधियों के नाम, स्त्रीलिंग -पुलिंग,पक्षियों के नाम, संधि (यण और अयादि) शब्द रूप- हरि, धातु रूप:- गम्।

Subject	Half-Yearly Exam	Annual Exam
General Knowledge (Brain Booster)	<ul style="list-style-type: none">• From Text Book (Page Number 07 to 53)• In the Wild• Beyond Boundaries• Science Wizard• Incredible India Technology & Space Current Affairs	<ul style="list-style-type: none">•From Text Book (Page Number 54 to 92)•Inking Canvas•Talk of The Town•Game Point•Mind Over Matter Current Affairs Analytical Skills Mental Math Tricks General Puzzles

Subject	Half-Yearly Exam	Annual Exam
Art and Craft	ART 1. Colour concept 2. Elements of Art 3. Principles of Design 4. Hatching 5. Still life 6. Nature study 7. Spinning top 8. Face study 9. Cartoon characters 10. Mural painting 11. Madhubani Art 12. Motif Art 13. Floral Design 14. Salt dough snowman 15. Portrait CRAFT 1. Waste paper items 2. Wall hanging 3. Flower pot 4. Paper flowers 5. Bucket of paper cutting	ART 1. Abstract Art 2. Silhouette 3. Good Art 4. Landscape 5. Freehand Design 6. Shaving foam Marbling 7. Painting of Pablo Picasso CRAFT 1. Basket 2. Orignal flower pot with flowers 3. Bells 4. Christmas tree 5. Candle wall hanging



EDUCATION



Education is not limited to
the classroom. It's a
lifelong journey.

