



Bal Bharati
PUBLIC SCHOOL
Sector-21, Noida

SYLLABUS 2021-22

CLASS-VII



SUBJECT: ENGLISH

Text Books: 1.NEW IMAGES CLASS BOOK 2. NEW IMAGES HOME BOOK 3. NEW IMAGES STORY BOOK

MONTH	CLASS BOOK & HOMEBOOK	STORY BOOK	GRAMMAR	WRITING SKILLS	LEARNING OUTCOME	INNOVATIVE PEDAGOGY/ART INTEGRATION/INTER DISCIPLINARY APPROACH
April	1.Of Magic Lamps and Genies 2. On the Grasshopper and Cricket(A Poem)	1.The Fog	1. Determiners 2. Tenses	1.Notice Writing	<ul style="list-style-type: none"> Comprehend, correlate and critically evaluate the text. To appreciate poetry as a literary genre. To be able to use Determiners and Tenses in sentences of their own and learn the correct usage of Adjectives. To hone their writing skills. 	<ul style="list-style-type: none"> To prepare a comic strip. To work in groups and find out information about more mythological creatures. To work in groups and choose any flying insects and make a presentation in Adobe Spark which cover these elements: habitat, types, appearance, diet
May	3.The Luncheon 4. Somebody's Mother (A Poem)	2.Being Neighbourly	3. Transitive and Intransitive 4. Omissions	2. Diary entry	<ul style="list-style-type: none"> To read and appreciate poetry To sensitise the learners to respect elders To read to find meaning and interpret To learn correct usage of Tenses in grammar 	<ul style="list-style-type: none"> Prepare a questionnaire about a proposed Writer's Club.
July	5.Father's Help 6. Binya's Blue Umbrella	3.Alexander the Great 4. Escape from Chateau d'If	5.Active and Passive	3. Formal Letter writing (Application)	<ul style="list-style-type: none"> To read other novels by Ruskin Bond. To improve their vocabulary 	<ul style="list-style-type: none"> To prepare a poster. Role Play
August	7.Just Me 8.The Boy with a Catapult	5.Fagin's School	6.Modals	4. Poster Writing	<ul style="list-style-type: none"> To sensitise their attitude towards birds and animals. To express their ideas creatively on the basis of clues. 	<ul style="list-style-type: none"> Turn coat on the topic, 'Hard work or luck is necessary for success'
September	9.Adrift at Sea	6.Who Taught Time to Fly	Revision	Revision	<ul style="list-style-type: none"> To learn the art of storytelling. 	<ul style="list-style-type: none"> Write a dialogue between a tiger and yourself

October	10. As I Grew Older 11.The Face on the Wall	7.The Old Couple and the Foxes	7.Kinds of Adverbs	5.Email writing	<ul style="list-style-type: none"> • To sensitise the students about racial discrimination. • To share their future dreams and ambitions. 	<ul style="list-style-type: none"> • To initiate a debate on the topic, Merit matters, race does not.
November	11.When the Furniture Went Mad	8.The Oval Portrait	8.Prepositions 9. Jumbled sentences	6.Informal Letter	<ul style="list-style-type: none"> • Comprehend and correlate 	<ul style="list-style-type: none"> • Based on science fiction , a ppt
December	12.All the World's a Stage 13.The Hunt	9.The Sea	10.Reported Speech(Assertive sentences)	7. Report writing	<ul style="list-style-type: none"> • To infer the contextual meaning of the text. • To read the novel. Black Beauty to extend the learning in class. • To improve their vocabulary and express their ideas and opinions 	Art Integrated Project-Prepare a travelogue based on the local folklore of the spooky historical monuments and heritage sites of India.
January	14.Shillong: the Rock Capital of India 15.To be a Lady	10.Five Weeks in a Balloon	12. Integrated Grammar	8.Story Writing	<ul style="list-style-type: none"> • To develop critical appreciation and read the original play. • To develop their confidence and express themselves through enactment. 	Role Play. Rewrite the story with a different ending.
February	Revision	Revision	Revision	Revision		

SUBJECT: MATHEMATICS

MONTH	UNIT/ CHAPTER	SUB TOPICS	LEARNING OUTCOMES	INNOVATIVE PEDAGOGIES/ART INTEGRATION/INTER DISCIPLINARY APPROACH	LAB MANUAL ACTIVITY
April	Integers	<ul style="list-style-type: none"> Properties of integers under addition, subtraction, multiplication and division. Word Problems 	<p>Students would be able to-Perform various operations on integers. Comprehend and analyze the word problems involving integers.</p>	<p>PICTURE METHOD OF SOLVING FRACTION PROBLEMS: Drawing a picture from the word problem to make it easy to comprehend and solve.</p> <p>AUDIO-VISUAL AIDS: Smart class modules</p> <p>EXTRA WORKSHEETS: Khan Academy</p>	LAB ACTIVITY: Multiplication of Decimal numbers using graph sheets.
	Fractions and Decimals	<ul style="list-style-type: none"> Addition, subtraction, multiplication and division of fractions. Basic operations on Decimals. Word problems. 	<p>Visualize operations between fractions. Generalize shortcuts to perform various operations in fractions. Comprehend and analyze the word problems involving fractions.</p>		
May	Data Handling	<ul style="list-style-type: none"> Collection and organizing data. Mean, median and mode of ungrouped data. Double bar graph Probability. 	<p>Students would be able to-Organizing the data. Judging the best way of finding the central tendency. Finding central tendency of data. Draw double bar graph and interpret them. Calculating probability of an event in various situations. Construct solid shapes from paper by drawing it's net.</p>	<p>LEARNING BY DOING METHOD: Students collect various data from neighboring classes. They organize and analyze the data, make bar graph.</p> <p>AUDIO-VISUAL AIDS: Smart class modules</p> <p>EXTRA WORKSHEETS: Khan Academy</p>	LAB ACTIVITY: To make a cuboid, a cylinder and a triangular prism by drawing its net.
July	Lines and Angles	<ul style="list-style-type: none"> Pairs of angles Parallel lines and transversal. 	<p>Students would be able to Recall the name of the relation in Two given angles.</p>	<p>QUIZ ON THE CONCEPT: Before starting the exercise take as many quizzes and oral tests as possible to make</p>	LAB ACTIVITY: Solution of a given linear equation by tiling method.

	Comparing Quantities	<ul style="list-style-type: none"> • Equivalent Ratios. • Word problems on Ratio. • Proportion • Unitary method. 	<p>Establishes congruence criterion for triangles. Appreciates that only three elements of two triangles are sufficient to find their congruence.</p> <p>Judge if the given two triangles are congruent.</p> <p>Students would be able to- Find ratio between two quantities. Solve problems using unitary method.</p>	<p>AUDIO-VISUAL AIDS: Smart class modules</p> <p>EXTRA WORKSHEETS: Khan Academy</p>	<p>/monuments which are using tessellations for designing and decoration. Find pictures of the tessellation used and recreate the same on an A4 Size sheet.</p> <p>Project 2: Identify a pair of congruent and a pair of similar shapes in any two architectures of your choice.</p>
January	Comparing Quantities (continuation)	<ul style="list-style-type: none"> • Application of percentage. • Profit and Loss • Simple Interest. 	<p>Students would be able to- Applies the idea of percentage, profit loss and simple interest in her/his daily life. Calculate the profit and loss percentages. Calculate simple interest and total amount.</p>	<p>RELATING THE CONCEPT TO THE REAL LIFE: Discussing the shopping experiences of students during festive sale.</p> <p>AUDIO-VISUAL AIDS: Smart class modules</p> <p>EXTRA WORKSHEETS: Khan Academy</p>	<p>LAB ACTIVITY: Addition and subtraction of algebraic expressions by tiling method.</p>
	Algebraic Expressions	<ul style="list-style-type: none"> • Terms related to Algebraic expressions. • Operations on algebraic expressions. 	<p>Students would be able to- Add and subtract to given algebraic expressions. Find the value of algebraic expression if value of variable is given. Producing formulas and rules using algebraic expressions.</p>		
February	Revision for Final Examination				

विषय : हिंदी

- वसंत-2
- नवीन शिक्षार्थी हिंदी व्याकरण तथा रचना व्याकरण- (कक्षा सात हेतु)

मास	पाठ का नाम	व्याकरण/ रचनात्मक- लेखन	शिक्षण-अधिगम	नवीन शिक्षण-युक्तियों/कला एकीकरण/अंतर्विषयी दृष्टिकोण	गतिविधि/परियोजना
अप्रैल	हम पंछी उन्मुक्त गगन के (कविता) दादी माँ (कहानी)	भाषा, लिपि तथा व्याकरण, वर्ण-विचार अनेक शब्दों के लिए एक शब्द (1-15) अनेकार्थक शब्द (1-7) विलोम शब्द (1-15) पर्यायवाची शब्द (1-15) अनौपचारिक पत्र, अनुच्छेद चित्र के आधार पर कहानी-लेखन, अपठित गद्यांश	आधुनिक काव्यधारा से संक्षिप्त परिचय, स्वतंत्रता की महत्ता का प्रतिपादन। गद्य-विधा के अंतर्गत कहानी-विधा से संक्षिप्त परिचय, पारिवारिक मूल्यों का पल्लवन। शिल्पगत सूक्ष्मताओं से परिचय। व्यावहारिक व्याकरण का ज्ञान। भाषा की संरचनात्मक विशिष्टताओं से परिचय। प्रभावोत्पादक अभिव्यक्ति हेतु सक्षमता का प्रतिपादन।	आदर्श अनुतानमय वाचन एवं स्पष्टीकरण, व्यावहारिक अनुभवों का आदान-प्रदान, जीवन-सापेक्ष अनुभव, काठिन्य-निवारण, मन न-चिंतन, पारस्परिक चर्चा- परिचर्चा, काव्यका रसास्वादन, आगमन-विधि	हिंदी महीनों का चक्र - छात्र संबंधित जानकारी एकत्र करेंगे एवं कक्षा में मौखिक रूप से प्रस्तुत करेंगे।
मई	हिमालय की बेटियाँ (निबंध) पापा खो गए (केवल वाचन हेतु)	शब्द-विचार, संज्ञा तत्सम-तद्भव (अश्व-सर्प) समरूपी भिन्नार्थक शब्द (1-10) एकार्थक प्रतीत होने वाले शब्द (1-8) मुहावरे (1-10) संवाद-लेखन, विज्ञापन-लेखन	गद्य-विधा के अंतर्गत निबंध-विधा से संक्षिप्त परिचय, नदियों के महत्त्व को उजागर करना। भाषा की संरचनात्मक विशिष्टताओं से परिचय। व्यावहारिक व्याकरण का ज्ञान। प्रभावोत्पादक अभिव्यक्ति हेतु सक्षमता का प्रतिपादन।	आदर्श अनुतानमय वाचन एवं स्पष्टीकरण, व्यावहारिक अनुभवों का आदान-प्रदान, जीवन-सापेक्ष अनुभव, काठिन्य-निवारण, मन न-चिंतन, पारस्परिक चर्चा- परिचर्चा	‘पापा खो गए’ - पाठ को नाटक रूप में वाचन।

जुलाई	कठपुतली (कविता) मिठाईवाला (कहानी) चिड़िया की बच्ची (केवल वाचन हेतु)	लिंग, वचन, कारक, उपसर्ग- प्रत्यय अनेक शब्दों के लिए एक शब्द (16-30) अनेकार्थक शब्द (8-14) विलोम शब्द (16-30) पर्यायवाची शब्द (16-30) अनुच्छेद चित्र के आधार पर कहानी-लेखन अपठित गद्यांश	आधुनिक काव्यधारा से संक्षिप्त परिचय, स्वतंत्रता की महत्ता का प्रतिपादन। गद्य-विधा के अंतर्गत कहानी-विधा से संक्षिप्त परिचय, पारिवारिक मूल्यों का पल्लवन। शिल्पगत सूक्ष्मताओं से परिचय। व्यावहारिक व्याकरण का ज्ञान। भाषा की संरचनात्मक विशिष्टताओं से परिचय। प्रभावोत्पादक अभिव्यक्ति हेतु सक्षमता का प्रतिपादन।	आदर्श अनुतानमय वाचन एवं स्पष्टीकरण, व्यावहारिक अनुभवों का आदान-प्रदान, जीवन-सापेक्ष अनुभव, काठिन्य-निवारण, मनन-चिंत न, पारस्परिक चर्चा-परिचर्चा, काव्य का रसास्वादन, आगमन-विधि	‘दूसरों को प्यार देने से अपने मन का दुख कम हो जाता है।’ - कक्षागत अनुभव- प्रस्तुति।
अगस्त	रक्त और हमारा शरीर (निबंध) शाम-एक किसान (कविता)	सर्वनाम, विशेषण, क्रिया तत्सम-तद्भव (मयूर-कर्ण) समरूपी भिन्नार्थक शब्द (11-20) एकार्थक प्रतीत होने वाले शब्द (9-16) मुहावरे (11-20) अनौपचारिक पत्र अपठित गद्यांश	गद्य-विधा के अंतर्गत निबंध-विधा से संक्षिप्त परिचय, मानव-जीवन में रक्त एवं खानपान की महत्ता का प्रतिपादन। आधुनिक काव्यधारा से संक्षिप्त परिचय, पर्वतीय प्रदेश में शाम की सुंदरता का दृश्य। व्यावहारिक व्याकरण का ज्ञान। प्रभावोत्पादक अभिव्यक्ति हेतु सक्षमता का प्रतिपादन।	आदर्श अनुतानमय वाचन एवं स्पष्टीकरण, व्यावहारिक अनुभवों का आदान-प्रदान, जीवन-सापेक्ष अनुभव, काठिन्य - निवारण, मनन-चिंतन, पारस्परि क चर्चा-परिचर्चा, काव्य का रसास्वादन, आगमन-विधि।	‘रक्तदान-शिविर’ - विज्ञापन-लेखन
सितंबर	नीलकंठ (केवल वाचन हेतु)	पुनरावृत्ति एवं अर्धवार्षिक परीक्षा			
अक्टूबर	अपूर्व अनुभव (संस्मरण) रहीम के दोहे (कविता)	काल, अविकारी शब्द मुहावरे (21-30) अनेकार्थक शब्द (15-21) एकार्थक प्रतीत होने वाले शब्द (17-25) तत्सम-तद्भव (भ्राता-अंगुष्ठ) औपचारिक पत्र अनुच्छेद अपठित गद्यांश	गद्य-विधा के अंतर्गत संस्मरण-विधा से संक्षिप्त परिचय, विभिन्न भेदभाव तथा सीमाएँ भूलकर मेल-जोल एवं सहयोग की प्रेरणा। पद्य-विधा की मध्ययुगीन, संतकाव्यधारा से परिचय। नैतिक मूल्यों का पल्लवन। भाषा की संरचनात्मक विशिष्टताओं से परिचय। व्यावहारिक व्याकरण का ज्ञान।	आदर्श अनुतानमय वाचन एवं स्पष्टीकरण, व्यावहारिक अनुभवों का आदान-प्रदान, जीवन-सापेक्ष अनुभव, काठिन्य-निवारण, मनन- चिंतन, पारस्परिक चर्चा- परिचर्चा	रहीम के दोहों का गायन।

			प्रभावोत्पादक अभिव्यक्ति हेतु सक्षमता का प्रतिपादन।		
नवंबर	कंचा (कहानी) एक तिनका (कविता)	वाक्य-विचार समरूपी भिन्नार्थक शब्द (21-30) अनेकार्थक शब्द (22-29) पर्यायवाची शब्द (31-45) औपचारिक पत्र विज्ञापन-लेखन अपठित गद्यांश	गद्य-विधा के अंतर्गत कहानी-विधा से संक्षिप्त परिचय, पारिवारिक मूल्यों का पल्लवन। पद्य-विधा के अंतर्गत आधुनिक काव्यधारा की कथात्मक कविता से संक्षिप्त परिचय, तुच्छ वस्तुओं के महत्व का प्रतिपादन। शिल्पगत सूक्ष्मताओं से परिचय। व्यावहारिक व्याकरण का ज्ञान। प्रभावोत्पादक अभिव्यक्ति हेतु सक्षमता का प्रतिपादन।	आदर्श अनुतानमय वाचन एवं स्पष्टीकरण, व्यावहारिक अनुभवों का आदान-प्रदान, जीवन-सापेक्ष अनुभव, काठिन्य - निवारण, मनन-चिंतन, पारस्परिक चर्चा-परिचर्चा, आगमन-विधि काव्य का रसास्वादन	‘अप्पू ने कंचे क्यों खरीदे’ - ‘ईदगाह’ के हामिद के साथ तुलना करते हुए चर्चा-परिचर्चा।
दिसंबर	खानपान की बदलती तस्वीर (निबंध) भोर और बरखा (कविता)	अशुद्धिशोधन अनेक शब्दों के लिए के लिए एक शब्द (51-65) विलोम शब्द (51-65) चित्र के आधार पर कहानी-लेखन अनुच्छेद अपठित गद्यांश	गद्य-विधा के अंतर्गत निबंध-विधा से संक्षिप्त परिचय, भारतीय-जीवन में आए इस बदलाव के प्रति जागरण। पद्य-विधा की मध्ययुगीन, कृष्ण काव्यधारा से परिचय। व्यावहारिक व्याकरण का ज्ञान। भाषा की संरचनात्मक विशिष्टताओं से परिचय। प्रभावोत्पादक अभिव्यक्ति हेतु सक्षमता का प्रतिपादन।	आदर्श अनुतानमय वाचन एवं स्पष्टीकरण, व्यावहारिक अनुभवों का आदान-प्रदान जीवन-सापेक्ष अनुभव, काठिन्य-निवारण, मनन-चिंतन, पारस्परिक चर्चा-परिचर्चा, काव्य का रसास्वादन, आगमन-विधि।	‘कला-एकीकृत बहु-विषयक गतिविधि’ - विज्ञापन-लेखन एवं प्रस्तुति - भारत के महान ऐतिहासिक स्थलों एवं मंदिरों के आधा पर कक्षागत-प्रस्तुति।
जनवरी	वीर कुँवर सिंह (निबंध) आश्रम का अनुमानित व्यय (केवल	विराम-चिह्न तत्सम-तद्भव (अद्य-अग्नि) समरूपी भिन्नार्थक शब्द (31-40) मुहावरे (31-40) औपचारिक पत्र	गद्य-विधा के अंतर्गत निबंध-विधा से संक्षिप्त परिचय, वीर कुँवर सिंह तथा उनके सहयोगियों के जीवन से प्रेरणा। व्यावहारिक व्याकरण का ज्ञान। प्रभावोत्पादक अभिव्यक्ति हेतु सक्षमता का प्रतिपादन।	आदर्श अनुतानमय वाचन एवं स्पष्टीकरण, व्यावहारिक अनुभवों का आदान-प्रदान, जीवन-सापेक्ष अनुभव, काठिन्य - निवारण, मनन-चिंतन, पारस्परिक चर्चा-परिचर्चा, आगमन-विधि	‘यदि आप सन् 1857 में होते तो क्या करते’ - एक विचार।

	वाचन हेतु)	अपठित गद्यांश			
फरवरी	<p>संघर्ष के कारण मैं तुनुकमिजाज हो गया : धनराज (साक्षात्कार)</p> <p>विप्लव गायन (केवल वाचन हेतु)</p>	<p>पर्यायवाची शब्द (46-40)</p> <p>विलोम शब्द (66- 80)</p> <p>एकार्थक प्रतीत होने वाले शब्द (26-35)</p> <p>अनेक शब्दों के लिए के लिए एक शब्द (66-80)</p> <p>संवाद-लेखन</p> <p>विज्ञापन-लेखन</p>	<p>गद्य-विधा के अंतर्गत साक्षात्कार-विधा से संक्षिप्त परिचय, धनराज के जीवन से प्रेरणा। व्यावहारिक व्याकरण का ज्ञान। प्रभावोत्पादक अभिव्यक्ति हेतु सक्षमता का प्रतिपादन।</p>	<p>आदर्श अनुतानमय वाचन एवं स्पष्टीकरण,व्यावहारिक अनुभवों का आदान-प्रदान, जीवन-सापेक्ष अनुभव,काठिन्य - निवारण, मनन-चिंतन, पारस्परिक चर्चा-परिचर्चा, आगमन-विधि</p>	<p>देश-प्रेम से ओत-प्रोत किसी एक कविता का गायन।</p>

SUBJECT: SCIENCE

LIVING SCIENCE: RATNA SAGAR

MONTH	CHAPTER	SUB TOPICS	LEARNING OBJECTIVES	PRACTICAL /ACTIVITIES	LEARNING OUTCOMES
APRIL	NUTRITION IN PLANTS	Autotrophic mode, Heterotrophic mode, Saprotrophs, Replenishing nutrients	<ul style="list-style-type: none"> ➤ Mode of nutrition ➤ Replenishing of nutrients ➤ Mode of nutrition in animals like Hydra, Amoeba, Frog 	Photosynthesis in Plants	Students will be able to
	NUTRITION IN ANIMALS	Nutrition in Hydra, Amoeba, Frog		Test of starch & oil etc.	<ul style="list-style-type: none"> ➤ Understand various mode of nutrition in plants and animals
MAY	STRUCTURE OF MATTER	Elements and compounds, Mixtures, Symbols, Formulae, and chemical equations	<ul style="list-style-type: none"> ➤ Elements, compounds. ➤ Mixtures, Symbols & Formulae ➤ Chemical Equation 	Formation of mixture and compound of Sulphur and iron fillings	Students will be able to
	ANIMAL FIBRE	Fiber and its types	<ul style="list-style-type: none"> ➤ Fibers and its types ➤ Properties & uses 	To be only discussed in class/ Summer Holiday HW- ACTIVITY BASED LEARNING	<ul style="list-style-type: none"> ➤ Understand the difference between the elements, compounds, and mixtures ➤ Will be able to identify the types of animal fiber
JULY	HEAT AND ITS EFFECTS	Heat, Effects of heat, Expansion in solids, liquids and gases Temperature and its measurement	<ul style="list-style-type: none"> ➤ Heat and its effects ➤ Expansion in all three states 	To observe and understand the use a thermometer and take readings.	<ul style="list-style-type: none"> ➤ Understand how heat flows and its effects
	FLOW OF HEAT	Conduction, Convection Radiation	<ul style="list-style-type: none"> ➤ Conduction, convection, and Radiation with their applications 	<ul style="list-style-type: none"> ➤ To observe in day to day -the three process of heat flow 	<ul style="list-style-type: none"> ➤ Students will be able to Understand and differentiate the three different processes.
AUGUST	ACID BASES AND SALTS	Types of Acids, bases and Salts. and their important properties. Uses of salts Standard units, measurement of time, speed uniform motion, non-uniform motion, distance —time graph.	<ul style="list-style-type: none"> ➤ identify the three different substances acid, base and salts on basis of properties. 	Activities 1.To test lemon 2, Soap Water 3.Common salt	Students will be able to identify the three different substances acid, base, and salts on basis of properties.
	MOTION AND TIME	<ul style="list-style-type: none"> ➤ Motion and measurement Motion and time	<ul style="list-style-type: none"> ➤ Time period of a simple pendulum 	<ul style="list-style-type: none"> ➤ Preparing simple pendulum and understanding the oscillatory motion 	<ul style="list-style-type: none"> ➤ Differentiate between static body and body in motion & Identify types of motion

SEPTEMBER	<p>WEATHER, CLIMATE AND ADAPTATION</p> <p><u>HALF YEARLY EXAMINATION</u></p> <p>RESPIRATION</p>	<p>Weather, Climate Factors Effecting Weather & climate. Climate & Adaptation of both plants and animals</p> <p>Respiration in plants and animals. Respiration in humans and types of respiration</p>	<ul style="list-style-type: none"> ➤ Weather and Climate ➤ Factors ➤ Adaptation in animals and plants ➤ Importance of respiration in plants and animals, humans. ➤ Aerobic and anerobic respiration 	<p><u>ACTIVITY BASED LEARNING</u></p> <p>Using the Cutting, making collage of different weather patterns</p> <p>Students will perform few breathing exercises and know their breathing capacity and learn to exhale and inhale fully to improve their health.</p>	<p>Students will be aware of types of weather and seasons and enhance their creative skills by activity</p> <p>Students will be able. to</p> <ul style="list-style-type: none"> ➤ Improve their lung capacity. ➤ Will help them learn the yogic skill. ➤ Help them to understand role of diaphragm
OCTOBER	<p>ELECTRIC CURRENT AND ITS EFFECTS.</p> <p>SOIL</p>	<p>Electric current and circuit, Effects of Electric current, Electromagnet.</p> <p>Composition & Formation of soil.</p> <p>Types of soil, Properties of Crops and soil.</p>	<ul style="list-style-type: none"> ➤ Circuit and its components ➤ Electricity and electric currents ➤ Electromagnet <p>Soil and its types Properties of soil Crops /soil</p>	<p>Preparation of a circuit. Activity Preparing a home water filter</p> <ul style="list-style-type: none"> ➤ Water retention capacity of soil. ➤ Measuring percolation rate 	<p>Students will be able to learn about hands on skill.</p> <p>Students will be able to learn about the importance of filtration to procure clean water.</p> <p>Characteristics of soil</p>
NOVEMBER	<p>REPRODUCTION IN PLANTS.</p> <p>LIGHT</p>	<p>Asexual reproduction in plants, vegetative artificial methods sexual reproduction</p> <p>Rectilinear propagation of Light, Reflection of Light, Real and virtual image, Spherical mirrors, Lenses, Spectrum.</p>	<ul style="list-style-type: none"> ➤ Reproduction and its types & importance ➤ Rectilinear propagation of light ➤ Real and virtual images, mirror, lenses 	<p>Spore Formation In Bread (hands on activity)</p> <p>To provide various examples of day to day activity</p>	<p>Students will be able to</p> <ul style="list-style-type: none"> ➤ Identify between asexual and sexual reproduction <p>Students will be able to</p> <ul style="list-style-type: none"> ➤ Know the property of light ➤ Differentiate between mirror and lenses on basis of features

DECEMBER	<u>WIND STORMS AND CYCLONES</u>	Natural calamities Precautions and Preventions	Structure, Properties and specific characteristics ➤ Importance of transportation of materials in both plants and animals.	To provide various examples of day-to-day activity To provide various examples of day-to-day activity	➤ Students will learn hands on activity. ➤ Develop analytical Skill. Students will learn about the mechanism involved in transportation of fluids and substances in our body
	TRANSPORTATION OF MATERIALS IN PLANTS AND ANIMALS PHYSICAL AND CHEMICAL CHANGES.	Transportation of materials in Plants, and in Animals, Excretion in animals and humans. excretory system Physical and Chemical Changes, Characteristics of a chemical reaction Types of chemical reactions	➤ Chemical and physical changes ➤ characteristics of a chemical reaction Types of a chemical reaction	<u>ART INTEGRATED PROJECT ACTIVITY-</u> To research and prepare a project research article on few National Monuments/ landmark which have undergone chemical degradation. (Integrated with languages, Social sciences, Dance ,Music and Maths)	Students will be able to understand. ➤ Nothing is permanent as change is the law of nature. Hands on activity
JANUARY	<u>OUR FORESTS</u> Waste -water management	Forest wealth, Producers, consumers and decomposers, and food chain. Balance In nature Sewage Treatment. Class reading of chapters water and wastewater management	Importance of Forests and its importance, Food Forest wealth, Food chain, Food web forest in our lives ➤ MANAGEMENT OF WASTEWATER To learn about the importance of cleaning and recycling wastewater		➤ Students will learn about the forest value and its importance through art and theatre. ➤ Learn writing skill.
FEBRUARY	Water REVISION	Water and its conservation	WATER CONSERVATION ANNUAL EXAMINATION	To Prepare a poster with a strong message of 'Save water Save life'	➤ Students will develop drawingSkill.

SUBJECT: SOCIAL SCIENCE
HISTORY, GEOGRAPHY, SOCIAL & POLITICAL LIFE: NCERT

MONTH	UNIT/ CHAPTER	SUB TOPICS	LEARNING OUTCOMES	INNOVATIVE PEDAGOGY/ART INTEGRATION/INTER DISCIPLINARY APPROACH	ACTIVITY/PRACTICAL/ PROJECT
April HISTORY	Chapter — 1: Tracing Changes Through A Thousand Years	New and Old Terminologies, Historians and their sources, New social and Political Groups, Region and Empire, Old and New Religions, Thinking About Time and Historical Periods	To be aware of the new terms, empires, religions and social groups in India.	_____	_____
GEOGRAPHY	Chapter -1 Environment.	Components of environment Natural environment. What is Ecosystem? Human environment	Students will be able to <ul style="list-style-type: none"> • Show their artistic skills. • Understand the interdependence of biotic and abiotic components. • Develop analytical mind to find out ways of conservation of the ecosystem. 	Make a diagram depicting Biotic and Abiotic Environment.	_____
SOCIAL & POLITICAL LIFE	Unit I: Equality in Indian Democracy. Chapter 1: On Equality	Equal Right to Vote Other Kinds of Equality Recognising Dignity Equality in Indian Democracy Issues of Equality in Other Democracies. Challenge of Democracy	Students will be able to <ul style="list-style-type: none"> • Identify practices of inequality in India. • Understand the significance of Right to Equality. 	_____	_____

			<ul style="list-style-type: none"> Develop critical thinking on the provisions of the Constitution to bring equality in our country. 		
May HISTORY	Chapter - 2: New Kings and Kingdoms	The Emergence of new Dynasties Administration in the Kingdoms Prashastis and Land Grants. Warfare for Wealth A Closer Look: The Cholas: Temples, Bronze Sculpture and Administration of the Empire.	Students will be able to <ul style="list-style-type: none"> Locate and identify the regions ruled by these dynasties in India. Develop map skills. Understand the climate and terrain of these regions, Have critical thinking on the continuous occurrence of Tripartite Struggle. 	On a political map of India mark the following: <ul style="list-style-type: none"> Area ruled by Rashtrakutas Area ruled by Palas Area ruled by Cholas Area ruled by Gurjara Pratiharas 	<hr/>
GEOGRAPHY	Chapter2: Inside our Earth	Interior of the Earth. Rocks and minerals.	Students will be able to <ul style="list-style-type: none"> Develop a keen sense of observation. Improve communication skills and gain confidence. Have hands on experience to differentiate between sedimentary, igneous and metamorphic rocks. 	Individually students have to collect two or three samples of rocks they come across in day to day lives and give a small talk on any one of them: its origin, use, etc.	<hr/>
SOCIAL & POLITICAL LIFE	Chapter-2: Role of government in health	What is Health? Healthcare in India Public and Private Healthcare Services Healthcare and Equality: Is adequate			To find out any three measures taken by the state government in the last five years to improve health facilities in India.

		Healthcare available to all? What can be done? Kerala Experience Costa Rican Approach	Students will be able to Be aware of the public facilities, like health facilities to improve the human resource of a nation.	_____	
July HISTORY	Chapter — 3: The Delhi Sultans	Finding out about the Delhi Sultans from Garrison Town to Empire: The Expansion of the Delhi Sultanate A Closer Look: Administration and consolidation under the Khaljis and Tughluqs The Sultanate in the Fifteenth and Sixteenth Centuries	Students will be able to Have an analysis of the two rulers – Alauddin Khalji and Muhammad Tughluq – how Alauddin Khalji is considered as a better administrator than Muhammad Tughluq.	_____	To prepare a comparative analysis between Alauddin Khalji and Muhammad Tughluq in the form of a poster.
GEOGRAPHY	Chapter —3: Our Changing Earth	Earthquakes and Volcanoes Major Landforms Work of a River Work of sea Waves Work of Ice Work of wind	Students will be able to Showcase their artistic skills. Identify and know about various land forms formed by the external agents on the earth. Relate to such landforms found in India and in the world, e.g. the Sundarbans, The	Each student to make diagrams of land forms formed by river, sea waves, ice and wind.	_____
SOCIAL & POLITICAL LIFE	Chapter — 3: How the State Government			Interactive discussion on the role of an MLA and to find	_____

	Works.	Who is an MLA? A Debate in the Legislative Assembly Working of the Government	Thar desert- sand dunes. Students will be able to Understand the need of MLA in the State Government.	out the name of the MLA from the constituency of Gautam Buddha Nagar.	
August HISTORY	Chapter-4: The Mughal Empire	Who were the Mughals? Mughal military campaigns Mughal tradition of Succession Mughal Relations with other Rulers A Closer Look: Akbar's Policies The Mughal Empire in the Seventeenth Century and After	Students are able to Develop map skills. • Connect the cities with the rulers and their major contributions. • Understand the importance of these cities in present scenario.	On the political map of India, each student has to locate and mark the following cities: Delhi, Agra, Fatehpur Sikri, Berar, and Ajmer.	_____
SOCIAL & POLITICAL LIFE	Chapter-4- Growing up as Boys and Girls	Growing up in Samoa Islands in 1920's Growing up Male in Madhya Pradesh(1960's) Valuing House works, Life of Domestic workers, Inequality of women	Students will be able to Identify the different types of inequalities going on between men and women in our families and in the society. They will improve their public speaking skill.	_____	Presentation of any three inequalities between men and women, as seen in the society or in the family. The presentation can be a short talk show in the classroom.
SOCIAL & POLITICAL LIFE	Chapter-5 - Women Change the world	Fewer opportunities and rigid expectations Learning for change - Women's Movements	Students are able to • Improve their communication	In groups students to collect information about any three methods of Women's	

			skills. <ul style="list-style-type: none"> • Know about the struggle of women in India to get their rights and identity. • Understand the significance of equality in the society, between men and women 	Movements- present any one method with the help of newspaper cuttings or data collected from any other source.	_____
GEOGRAPHY	Chapter 4- Air	Structure of the Atmosphere, Weather and Climate, Temperature, Air Pressure, Wind, Moisture	Students are able to Differentiate between the structure and composition of atmosphere. Understand the significance of each layer of the atmosphere. Showcase their artistic skills.	Each student to draw a diagram on the structure of the atmosphere and also draw a diagram on the composition of atmosphere.	_____
September	HALF YEARLY EXAMINATION				
GEOGRAPHY	Chapter —5: Water	Distribution of Water Bodies Ocean Circulation Waves and Tides Ocean Currents	Students will be able to <ul style="list-style-type: none"> • Develop map skills. • Know the location of various oceans. • Know the direction of warm currents and cold currents. • Understand the reason of warm and cold currents. 	Map Work: On the political map of the world each student to mark the major water bodies and the following ocean currents: <ul style="list-style-type: none"> • The Gulf Stream • The North Atlantic 	_____

GEOGRAPHY	Chapter —6: Natural Vegetation and Wildlife.	Forests Tropical Evergreen Tropical Deciduous Temperate evergreen Temperate Deciduous Mediterranean Vegetation Coniferous forests Tropical Grasslands Temperate Grasslands Thorny Bushes	Students will be able to Understand each natural vegetation in a better manner.	Drift • The Kuro Shio Current • The Alaska Current • The Labrador Current	Students to prepare a table with proper rows and columns depicting each natural vegetation with its respective location, climate, flora and fauna.
SOCIAL & POLITICAL LIFE	Unit IV: Media and Advertising. Chapter -6 Understanding Media	Media and Technology Media and Money Media and Democracy Setting Agendas	Students are able to • Understand the need of media. • Reason out the significance of technology in media. • Know what is newsworthy.	Students in groups to discuss and present their views on the role of media in our lives.	_____
November GEOGRAPHY	Chapter- 7: Human Environment- Settlement, Transport and Communication	Transport and Communication Roadways Railways Waterways Airways Communication	_____	_____	_____
GEOGRAPHY	Chapter — 8: Human Environment Interactions The Tropical and The Sub- Tropical Region	Life in the Amazon Basin- Climate, Rainforests, People of the Rainforests. Life in the Ganga-Brahmaputra Basin	Students are able to • Relate the climate and vegetation of the basin along with the location in the Torrid Zone.	Students in groups to collect Pictures on the Amazon Basin highlighting the present condition of this region today	_____

			<ul style="list-style-type: none"> • Understand the need of conservation of resources. • Increase their digital skills and communication skills. 		
December HISTORY	Chapter — 7: Tribes, Nomads and Settled Communities.	Beyond Big Cities: Tribal societies Who were the Tribal People? How Nomads and Mobile People Lived Changing Society: New Castes and Hierarchies A Closer Look: The Gonds and The Ahoms Conclusion	Students are able to <ul style="list-style-type: none"> • Develop map skills. • Know about the respective tribes of India and their activities. • Understand the significance of tribes in our country. 	Map Work: Each student, on a political map of India mark the following: <ul style="list-style-type: none"> • An area inhabited by Ahoms • An area inhabited by Bhils • An area inhabited by Santhals • An area inhabited by Gonds 	_____
SOCIAL & POLITICAL LIFE	Unit V: Markets Chapter - 7 Markets Around Us	Weekly Market. Shops in the neighbourhood Shopping Complexes and Malls Chain of Markets Markets Everywhere Markets and Equality	Students are able to <ul style="list-style-type: none"> • Be creative. • Improve their communicative skills. • Know about the chain of markets. • Understand the long process of manufacturing a final product. 	Students in groups to prepare a story line of a pair of shoes – from leather to the final product available in the shop	_____
SOCIAL & POLITICAL LIFE	Chapter-8 A shirt in the Market	Cotton farmer in Kurnool Cloth Market of Erode Putting-out-System-Weaver Producing cloth At Home Garment Exporting Factory	_____	_____	_____

December	ART INTEGRATED AND MULTIDISCIPLINARY ACTIVITIES	<p>near Delhi The Shirt in the United States Who are the Gainers in the Market? Market and Equality</p> <p>THEME: Our Monuments and Landmarks: Shared Culture; Shared heritage and Shared Responsibility</p> <p>(Based on History: Chapter — 5 - Rulers and Buildings)</p>	<p>Students are able to</p> <ul style="list-style-type: none"> • Develop appreciation of majestic temples, which are our rich heritage. • Differentiate the constructions of North Indian and South Indian temple. • Understand the engineering skill as well as the aesthetics of the monuments. 	<p>Temples were beautifully constructed by Indian rulers in the 11th century, to demonstrate power, wealth and devotion. Presentation on the Kandariya Mahadeva temple of the Chandela dynasty and the Rajarajeshvara temple of the Chola dynasty.</p>	<p>Students need to present any one of the temples with the support of drawing, sketch or a graphical representation regarding the structure, special features about the monument, building materials and the significance of the monuments.</p>
January HISTORY	Chapter — 10: Eighteenth - Century — Political Formations	<p>The Crisis of Empire and the Later Mughals. Emergence of New States The Old Mughal Provinces Hyderabad, Awadh, Bengal The Watan jagirs of the Rajputs Seizing Independence: The Sikhs, The Marathas and The Jats</p>	<p>Students are able to</p> <ul style="list-style-type: none"> • Develop map skills. • Connect the events with their locations after the decline of the Mughals. • Understand the changes in India with the coming of Marathas and Sikhs. 	<p>Map Work: Each student, on the political map of India mark the following:</p> <ul style="list-style-type: none"> • Area ruled by Sikhs • Area ruled by Marathas • Awadh • Bengal • Hyderabad • Jats 	<p>_____</p>
GEOGRAPHY	Chapter — 9: Life in The Deserts	<p>The Hot Desert- Sahara- Climate, Flora and fauna, People The Cold Desert-Ladakh-</p>	<p>_____</p>	<p>_____</p>	<p>_____</p>

		Climate, Flora and fauna, People			
SOCIAL & POLITICAL LIFE	Chapter — 9: Struggles for Equality	Struggles for equality Tawa Matsya Sangh The Indian Constitution as A Living Document.	_____	_____	_____
February	ANNUAL EXAMINATION				

TEXT BOOK: OUR PASTS – II
SOCIAL AND POLITICAL LIFE – II
OUR ENVIRONMENT - II

संस्कृत- पाठ्यक्रम: (2021-22)
कक्षा – सप्तमी

दिव्यांजलि: – पाठ्यपुस्तकम् भाग-2 (रचना सागर)

दिव्यांजलि: –व्याकरण पुस्तकम्

मासः	शीर्षकम् (साहित्य)	व्याकरणम् रचनात्मक-कार्यम्	शिक्षण –अधिगमस्य प्रतिफलम्	नूतन- शिक्षण –विषयः कला- एकीकरणम् अंतर्विषयी- दृष्टिकोणः	क्रियाकलापः
अप्रैलः	वैभवस्य जन्मदिवसः (लट्-लृटलकारयोः पुनरावृत्तिः) शुकः काकः च (लङ्लकारः- प्रथमः पुरुषः)	शब्दरूपाणि, धातुरूपाणि	लटलकारस्य लृटलकारस्य च पुनरावृत्तिः । लङ्लकारस्य प्रथमपुरुषस्य वाक्येषु प्रयोगः । प्राणिनां महत्त्वस्य विषये ज्ञानम् । शब्द-धातुरूपाः सह वाक्यनिर्माणस्य ज्ञानम् ।	हिन्दी- विषयेन सह एकीकृतम् हिन्दी- विषयेन सह एकीकृतम्	
मई	दरिद्रस्य सहायता (लङ् लकारः- मध्यमः पुरुषः) जन्तुशालायाः विहारः (लङ् लकारः- उत्तमः पुरुषः)		लङ्लकारस्य मध्यमपुरुषस्य वाक्येषु प्रयोगः । दीनजनानां सहायतायाः विषये ज्ञानम् । लङ्लकारस्य उत्तमपुरुषस्य सर्वनाम पदानां तेषां प्रत्ययानां ज्ञानम् । जन्तुशालायाः विषये	हिन्दी-विषयेन सह एकीकृतम् विज्ञान-विषयेन सह एकीकृतम्	संस्कृत-भाषायाम् चित्रवर्णनम्

		<p>धातुरूपाणि – लोट्लकारः</p> <p>चित्रवर्णनम्</p>	<p>ज्ञानम् ।</p> <p>छात्रान् धातुरूपाणां ज्ञानम् ।</p> <p>चित्रं दृष्ट्वा वाक्यनिर्माणस्य ज्ञानम् ।</p>		
जुलाई	<p>सुनाषितानि (श्लोकाः –केवलं गायनाय)</p> <p>शिष्टाचारः (लोट्लकारः– प्रथमः पुरुषः)</p>	<p>कर्ता–क्रियायाः सम्बन्धः</p> <p>संवाद–पूर्तिः</p>	<p>श्लोकानां माध्यमेन नीतिग्रहणं सत्स्वर–गायनं च ।</p> <p>लोट्लकारे वाक्य–निर्माणं चरित्र–निर्माणं च ।</p> <p>शुद्ध वाक्यानां लेखनस्य विकासः</p> <p>मंजूषायां प्रदत्तपदानां सहायतया संवाद–पूर्तिः ।</p>	संगीत–विषयेन सह एकीकृतम्	लयपूर्वकं श्लोकगायनम्
अगस्तः	<p>स्वस्थवृत्तम् (लोट्लकारः– मध्यमः पुरुषः उत्तमः पुरुषः च)</p> <p>नवीन शब्दावली–1</p>	<p>अपठित–अनुच्छेदाः</p>	<p>लोट्लकारस्य मध्यम–उत्तम पुरुषे च वाक्य–निर्माणं, स्वास्थ्य–रक्षायै निर्देशः ।</p> <p>दैनिक व्यवहारे संस्कृतभाषायाः ज्ञानम् ।</p>	विज्ञान–विषयेन सह एकीकृतम्	र

	रमणीयम् उद्घानम् (संख्या-प्रयोगः)	संख्यावाचक शब्दाः कारकाः उपपदविभक्तयः च अव्ययाः	वाक्येषु संख्या प्रयोगस्य ज्ञानम् । संख्यावाचिपदानां ज्ञानम् । उपपदविभक्तीनां नियमानां ज्ञानम् । अव्ययानां सहायतया वाक्यानां निर्माणस्य ज्ञानम् ।	हिन्दी-विषयेन सह एकीकृतम्	संख्यावाचिशब्दैः सह विशेष्यपदानां प्रयोगं कृत्वा अधिकाधिकपदानां निर्माणम् कुरुत ।
सितम्बरः	नवीन शब्दावली-2 मम परिवारः (उपसर्गाः) अर्धवार्षिक परीक्षायाः कृते पुनराभ्यासः	पुनरावृत्तिः पठित-अपठित गद्यांशः चित्र-वर्णनम्	उपसर्गयुक्तपदानां अर्थबोधनम् , परिवारस्य महत्त्वम् । चित्रं दृष्ट्वा वाक्यनिर्माणस्य ज्ञानम् ।	हिन्दी -विषयेन सह एकीकृतम्-	संस्कृते स्वपरिवारस्य परिचयः

अक्तूबरः	आदर्शः छात्रः (क्त्वा, तुमुन्, ल्यप्- प्रत्ययानां प्रयोगः)	प्रत्ययाः— क्त्वा, तुमुन्, ल्यप् अशुद्धि—संशोधनम्	छात्राः क्त्वा—तुमुन् —ल्यप् प्रत्ययैः पदनिर्माणं तैः च वाक्यरचना । आदर्शछात्राणां दिनचर्यायाः ज्ञानम् । छात्रेषु वाक्यानां शोधनस्य एवं शुद्ध वाक्यानां लेखनस्य विकासः ।	हिन्दी—विषयेन सह एकीकृतम्	स्वदिनचर्या संस्कृतभाषायां आवयतु ।
नवम्बरः	भारतीय—समुद्रतटाः (विशेषण—विशेष्य—सम्बन्धः) भारतरत्नम् — श्री अटलबिहारी वाजपेयी महोदयः	कारकाः उपपदविभक्तयः च	भारतस्य विविध—तटानां परिचयः, विशेषण—विशेष्यस्य सम्बन्धः । उपपदविभक्तीनां नियमानां ज्ञानम् । श्री अटलबिहारी वाजपेयी महोदयस्य परिचयः ।	भूगोल—विषयेन सह एकीकृतम् हिन्दी—विषयेन सह एकीकृतम्	भारतीयसमुद्रतटानां चित्राणां तेषां नामनिः सह संकलनम् ।

दिसम्बर:	किं किं कुर्यात्	सन्धि—प्रकरणम् (दीर्घ सन्धि, गुण सन्धि)	नीतिश्लोकानां माध्यमेन विधिलिङ्लकारस्य ज्ञानम् । सन्धिनियमानाम् ज्ञानम् ।	कला—विविध—विषयैः सह एकीकृतम्	सुलेखमाध्यमेन (Calligraphy) एकं नीतिश्लोकं लिखित्वा पाण्डुलिपिं (Manuscript) रचयत । (कला एवं विविध विषयों के साथ समन्वित गतिविधि)
जनवरी	ग्रामस्य यात्रा (उपपद— विभक्तिः) (विधिलिङ्लकारः)	धातुरूपाणि — विधिलिङ्लकारे पत्र—लेखनम्	कारक—उपपदयोः भेदः, विविधशब्दानां योगे विभक्ति— विशेषस्य ज्ञानम् । धातुरूपाणां ज्ञानम् । मंजूषायां प्रदत्तपदानां सहायतया पत्र—पूर्तिः ।	हिन्दी—विषयेन सह एकीकृतम्	
फरवरी	वार्षिक परीक्षायाः कृते पुनराभ्यासः	पुनरावृत्तिः परीक्षा च			

SUBJECT: FRENCH

Textbooks: Apprenons Le Français 3 (Coursebook) & Cahier D'exercise (Workbook)

MONTH	LESSON	LEARNING OBJECTIVES	GRAMMAR	INNOVATIVE PEDAGOGY / ACTIVITIES WITH ART INTEGRATION	LEARNING OUTCOMES
April	L — 0. La France L — 1. La rentrée	<ul style="list-style-type: none"> French culture & civilization 	<ul style="list-style-type: none"> Articles Er, ir, re verbs Négation Adverbs of quantity 	<ul style="list-style-type: none"> Role play among school friends using adverbs of quantity 	Students will know about French culture. They will also be able to use adverbs of quantity.
May	L — 2. Il est français ?	<ul style="list-style-type: none"> Description of a person Talking about their family 	<ul style="list-style-type: none"> Feminine and plural form of nouns and adjectives Position of adjectives Infinitive after a verb 	<ul style="list-style-type: none"> Speaking about one's family 	Students will be able to describe a person and talk about their family
July	L — 3. La journée de Mme Lavigne L— 4. Kalu est malade	<ul style="list-style-type: none"> Description of a day Time Talking about health Seasons, days & months 	<ul style="list-style-type: none"> Pronominal verbs Ordinal & cardinal numbers Interrogative forms Negation with 'si' 		Students will be able to describe their day, tell time in French and talk about seasons in French
August	L — 5. Faire les courses	<ul style="list-style-type: none"> Talk about shopping French cuisine 	<ul style="list-style-type: none"> Interrogative adverbs Savoir & connaitre 		Students will be able to use interrogative adverbs and learn usage of savoir & connaitre verb.
September	Revision For Half Yearly Exam				

MONTH	LESSON	LEARNING OBJECTIVES	GRAMMAR	ACTIVITIES WITH ART INTEGRATION	LEARNING OUTCOMES
October	L — 6. M. Lavigne cherche un manteau	<ul style="list-style-type: none"> Shopping (clothes and accessories) 	<ul style="list-style-type: none"> Prepositions Yer verbs 	<ul style="list-style-type: none"> Telling the exact place or position of classroom objects using prepositions. 	Students will be able to use prepositions. They will know about French clothes.
November	L — 7. Allons a Paris	<ul style="list-style-type: none"> Talking about French festivals Learning about Paris Countries & nationalities 	<ul style="list-style-type: none"> Prepositions of place 		Students will know about French festivals. They will also learn usage of prepositions of place.
December	L — 8. Les photos de Manuel L- 9. Au café des Laurent	<ul style="list-style-type: none"> Ordering in a restaurant Locating a place 	<ul style="list-style-type: none"> Irregular verbs Demonstrative adjectives Imperative 	<ul style="list-style-type: none"> Role play in a restaurant Students to make a PPT comparing Indian and French monuments. 	Students will learn how to place an order in a restaurant.
January	L-10. Encore une lettre de Rouen	<ul style="list-style-type: none"> Interrogation Talking about one's interest & hobbies Format of an informal letter 	<ul style="list-style-type: none"> Interrogative adjectives Expressions with 'faire' Revision of previous grammar topics 		Students will learn question formation. They will also learn expressions with 'faire'
February	Revision For Final Exam				

ART INTEGRATED PROJECT

Chapter	Allons a Paris
Subject Integrated	French, Social Science and IT
Learning Objectives	Students will be able to compare Indian and French monuments in French language.
Description	Students to make a PPT comparing Indian and French monuments.

SUBJECT: INFORMATION TECHNOLOGY

MONTH	TOPIC	SUB TOPICS	LEARNING OUTCOME	INNOVATIVE PEDAGOGIES
APRIL	<u>COMPUTER VIRUS</u>	<ul style="list-style-type: none"> Malware, Computer Virus and Antivirus Ransomware Precautions against Computer Virus 	<ul style="list-style-type: none"> Students apply their knowledge in preparing a presentation on various examples of Computer Virus 	Concept of Computer virus, Malware and Ransomware will be given to the students using a Video
	<u>INTERNET – ETHICS & SAFEGUARD</u>	<ul style="list-style-type: none"> Internet Terms Potential Threats on the Web Role of Parents and Teacher 	<ul style="list-style-type: none"> Students apply their knowledge making posters and advertisements 	Students were explained the pros and cons of usage of internet
MAY	<u>E-COMMERCE & BLOGGING</u>	<ul style="list-style-type: none"> Advantages of E-Commerce E-Commerce Business Models E-Retailing & Security Concerns Top E-Commerce Websites Blogging 	<ul style="list-style-type: none"> Learners will be able to understand the various concepts of e-commerce. 	<p>Discussion on the meaning of E-Commerce, types of E-Commerce Business Models & Security Concerns related to it</p> <p>Awareness of E-Commerce Websites. Class discussions on the understand ability of Blogging</p>
JULY	<u>NUMBER SYSTEM</u>	<ul style="list-style-type: none"> Introduction Number System Conversion to and from other Number Systems Bits and Bytes 	<ul style="list-style-type: none"> Students will be able to convert different positional number systems using various methods 	Calculation method to be used to explain Number system. Bits and Bytes will also be explained using placards
AUGUST	<u>HTML-INTRODUCTION</u>	<ul style="list-style-type: none"> About Text Editors and Browsers Creating and saving a Web Page, Basic HTML Tags 	<ul style="list-style-type: none"> Students are able to learn about HTML as a webpage editing software by writing a simple webpage in notepad, making desired changes and displaying them 	<p>Basic concepts of webpage designing will be explained using live demonstration of</p> <p>HTML Codes in a Text editor and sharing of presentation in the class</p>

SEPTEMBER- OCTOBER	<u>HTML- CREATING A WEB PAGE</u>	<ul style="list-style-type: none"> • Displaying Web Page in a Browser • Modifying Paragraph Text and Formatting Text <div>HALF YEARLY EXAMINATION</div>	<ul style="list-style-type: none"> • Using HTML tags to format a webpage 	Creating of HTML webpage. Formatting of HTML webpage by live demonstration.
NOVEMBER	<u>HTML-IMAGES, LINKS & TABLE</u>	<ul style="list-style-type: none"> • Inserting Images in Web Pages • Lists – Creating Lists 	<ul style="list-style-type: none"> • Students will be able to insert image and add list (ordered and unordered) 	Creating list by HTML Tags and Attributes
DECEMBER	<u>HTML-FORM, MULTIMEDIA & CSS</u>	<ul style="list-style-type: none"> • Creating Forms in HTML5 • Adding Multimedia • Cascading Style Sheets (CSS) 	<ul style="list-style-type: none"> • Students will be able to create forms to enter students’ particulars. 	Art Integration- Design a webpage using HTML on Historical Monuments and Landmarks. Use Formatting Tags, Create Lists and Tables to give details of each Historical Monuments and Landmarks. Create links to all Monuments to show images of each monument.
JANUARY	<u>GIMP – INTRODUCTION</u>	Using GIMP Tools <ul style="list-style-type: none"> • Colour Modes and Filters • Changing the size of the image 	<ul style="list-style-type: none"> • Students are able to learn about creative tools in GIMP 	Demonstration of concept of designing and creativity using GIMP software
FEBRUARY	<u>GIMP – LAYERS AND FILTERS</u>	<ul style="list-style-type: none"> • Working with Layers, Creating a Collage • Transforming Layers • Bending Modes • Saving a GIMP image 	<ul style="list-style-type: none"> • Students will be able to create layers and work on different layers in GIMP 	Practical application and use of layers and advanced features in GIMP which will enhance creativity skills in students
MARCH	REVISION FOR ANNUAL EXAMINATION			

Text Book : Reinventing..... IT Planet Streaming without Buffering (PM Publishers Pvt Ltd)

SUBJECT: ARTIFICIAL INTELLIGENCE

MONTH	UNIT	SESSION/ACTIVITY/PRACTICAL	LEARNING OUTCOMES
APRIL - MAY	<u>INTRODUCTION TO AI - RECAP</u> <ul style="list-style-type: none"> ○ What is AI? ○ The need of AI ○ Use of AI in different fields ○ Smart Lab 2040: 2D/3D layout for futuristic science lab. Identify any 7 unique AI features of the lab <u>AI AND ITS TYPES</u> <ul style="list-style-type: none"> ○ Artificial Narrow Intelligence Vs Artificial General Intelligence ○ Strong AI Vs Weak AI 	<u>Basic Understanding of Artificial Intelligence</u> <p>What is Artificial Intelligence? Why AI has got all this attention now? What are the different applications of AI? Difference between Narrow and General AI. Difference between Strong and Weak AI.</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">TEACHABLE MACHINE – Google Experiment</div>	<ul style="list-style-type: none"> ○ Understand the term Artificial Intelligence ○ Comprehend and differentiate between automation and AI ○ Realizing the scope and use of AI in various fields ○ Understanding the good and bad of AI ○ Realising the potential and difference of Narrow and General AI
JULY	<u>DOMAINS OF AI</u> <p>Data CV NLP</p>	<u>Basic Understanding of the Domains of AI</u> <ul style="list-style-type: none"> ○ AI GAMES <p>What is Computer Vision technology? What is NLP & different applications that use NLP. What is big data? ○ How can data be collected?</p>	<ul style="list-style-type: none"> ○ To identify and interact with the three domains of AI: Data, Computer Vision and Natural Language Processing through different games ○ Identify and recognize the use of computer vision technology, Natural Language Processing and Data Science ○ Understanding the types of Data
AUGUST	<u>RELEVANCE OF AI IN OUR LIVES</u> <ul style="list-style-type: none"> ○ Threats involved ○ AI woven into our lives ○ Examples of different fields AI has revolutionised 	<ul style="list-style-type: none"> ○ Why AI should be taken seriously? ○ Threats that AI can pose for humans ○ Different fields like Automobile, Surveillance etc <div style="border: 1px solid black; padding: 5px; text-align: center;">NLP ACTIVITY : Chatbot using DialogFlow</div>	<ul style="list-style-type: none"> ○ Realising the importance of using AI for Good ○ Understanding the technical aspects of chatbots ○ Identifying the type of chatbots by looking at the functioning and features
SEPTEMBER - OCTOBER	<u>CODING FOR AI USING SCRATCH</u> <ul style="list-style-type: none"> ○ Coding in Scratch using extensions like Video Sensing, Teachable Machine etc <u>MACHINE LEARNING</u> <ul style="list-style-type: none"> ○ Supervised Learning 	<u>ML – Supervised, Unsupervised & Reinforcement</u> <ul style="list-style-type: none"> ○ Introduction to Machine Learning ○ Types of Machine Learning - Supervised, Unsupervised and Reinforcement Learning ○ Differentiating between different ML 	<ul style="list-style-type: none"> ○ Understand the concept of Machine Learning ○ Gain awareness about Machine Learning applications

	<ul style="list-style-type: none"> ○ Unsupervised Learning ○ Reinforcement Learning 	ACTIVITY : AI Game using Scratch	
NOVEMBER - DECEMBER	<p><u>SUSTAINABLE DEVELOPMENT GOALS</u></p> <ul style="list-style-type: none"> ○ Different Goals ○ Goals and the role of AI 	<p><u>Basic Understanding of all the SDG's</u></p> <p>What are SDGs? Why were these goals framed? How can AI help solve these problems?</p> <p>Activity : Creating an App for a Social Cause</p> <p><u>ART INTEGRATION ACTIVITY</u> Students will draw and design paper prototypes for their App and create a demo video and share it on Flipgrid</p>	<ul style="list-style-type: none"> ○ Understand the meaning of sustainable development ○ Identify all the Goals <ul style="list-style-type: none"> ○ Realizing the importance of AI in achieving these goals
JANUARY	AI PROJECT	<u>Group Activity (Will be explained later)</u>	
FEBRUARY	REVISION AND FINAL EXAMINATION		

Further Additions in the Syllabus (Post Covid Pandemic):

- Use of Sensors for Data Collection, Working with Micro Controller, Robotics and AI, Python Coding, MakeCode, Minecraft for Education

SUBJECT: DANCE (VII A/B)

MONTH	CONTENT	DANCE PRACTICAL	LEARNING OUTCOMES/SKILL DEVELOPMENT	Methodology/ Suggested Way of application
April To June	Tattkar and Aamad	Padhant of teen taal	Coordination and team work will be improved.	With the help of instruments like harmonium and percussion for Laya the content has to be taught. Padhant of the content has to be memorized.
July To September	Regional dance (Koli dance), Patriotic dance	Bharat ye rehna chaiye	One dance from Maharashtra. Children will get to know about their cultural costume etc.	Try to show the video clippings of Koli community.
October To December	Chakkar Gat Nikas, Life sketch of legend dancers of kathak. (Concerning the different artists who have served in the developments of this art form	Foot work different laya taal	Learn how to perform different types of chakkar's. They will understand about the rhythm.	Puran chakkar Ardh chakkar
January To March	Salami (Rangmanch ka tukda), Paribhaasik shabad	Different movement of salami paribhaasik shabad (Ang, Pratyang, Upaang)	They will develop knowledge about the Kathak. Their creativity will be enhanced. They will learn and understand Taal Laya.	Padhant of the content has to be memorized and will learn about different body parts to be used in kathak dance.

SUBJECT: DANCE (VII C/D)

CODES/S.NO AS GIVEN IN ANNEXURE-II	MONTH	TOPIC
4.4.2.2	APRIL & MAY	BODY EXERCISES & SOME BASIC STEPS EK BHARAT SHREST BHARAT DANCE CHOREOGRAPHY .
4.5.1.1	JULY & AGUST	<ul style="list-style-type: none"> INTRODUCTION YOGA . WITH YOGIC POSTURES & EXERCISES MAKE DANCE MOVEMENTS .
4.4.2.5	SEPTEMBER	CHHAU DANCE ITEM

		(NATRAJ)
4.5.1.3	OCTOBER & NOVEMBER	FOLK STEPS LIKE DANDIYA, BHEEL & SOME TREDITIONAL DANCE LIKE CHHAU'S KALIBHANGA MOVEMENTS
4.5.2.1	DECEMBER & JANUARY	BASIC EXERCISES OF CHHAU & SIX CHALI'S LIKE SADA ,LOHARA ,MUDA,DHAU,DUBA & USKA . UFLI'S GUTI UTHA , GOBAR GHOLA , CHORA DIA, KHORKA & CHUCHO DIA , SABOR TOKA (SHIKARI)

SUBJECT: MUSIC

S. NO.	MONTH	CONTENT
1	April-May	Prayer song Alankar Sargam practice Definition of Music
2	July-September	National Song “ Vande Mataram” & “Saare jahan se Achha” name of song writer and his words. Guru vandana Hindi Geet Karo Rashtra Bhasha se Pyar, Hindi Bharat Maa ka Haar
3	October-December	Baapu Prarthna (Vaishnav Jana to) Swachhata Geet Ram bhajan Chacha Nehru song Christmas song New Year song
4	January-March	Patriotic song Saraswati Vandana Vasant Lok geet Sargam Geet Environment Song

SUBJECT: VISUAL ART

TEXT BOOK: START UP ART & CARFT (Part 7): ACEVISION

MONTH	TOPIC	SUB TOPICS	LEARNING OUTCOMES	INNOVATIVE PEDAGOGY/ART INTEGRATION/INTER DISCIPLINARY APPROACH	ACTIVITY/PRACTICAL/ PROJECT
APRIL	Concept pf Art	Colour symbolism Drawing from observation Line and Space (Pg– 3-10)	Making basics of drawing a learning tool to help students open up their mind in being active learner and improve their cognitive skills	Create awareness about the art education as a pedagogical tool to deeper learning	Using pencil and water colour observe the space and balance it, make an abstract drawing using lines and shape
MAY	BASICS OF ART	2D and 3D shapes Colour Harmony Light, shade and shadow Perspective 3 point perspective (Pg 11-19) Holiday Assignment Silhouette Drawing (Pg 22)	Learning the basics and taking ahead to create or doodle patterns which will help them in reviewing elements and basic geometry.	Integration with Mathematics (Geometry)	Doodle using lines, shapes (2D and 3D) by pencil and water colour and apply the knowledge of light and shade as well Color theory and harmony exercises Silhouette Drawing Composotion exercise
JULY	STILL LIFE STUDY	Proportion Drawing and shading Light and space (Pg 21-27)	Understanding the basics and implement them in object drawing and learn to handle different mediums	Implementing “Art” as a pedagogical tool in classroom	Still life objects study and drawing using colour pencil
AUGUST	NATURE STUDY and DRAWING	Drawing and rendering of leaves Rendering of tree trunk (Pg 28-33)	Use the basics of drawing skills and understanding as a learning tool	Nature study, drawing and medium demonstration will be given for better understanding and implementation for the final outcome	Different objects of nature drawing using water colour and apply the knowledge of light, sahde and shadow

SEPTEMBER	ANIMAL STUDY and DRAWING	Drawing and rendering of birds and animals (Pg 34-40)	Detail study of animal drawing and learn about the different species	Integration with Science	Different animals and bird drawing and study using water colour and black ink
HALF YEARLY EXAMINATION					
OCTOBER	LANDSCAPE	Rendering of hillside and desert (Pg 41-43) Holiday Assignment Rendering and colouring of seascape (Pg 44)	Integration will strengthen the collaborative teaching and help to understand the topic in a better way	Integration with Science	Outdoor nature drawing using water colour and pencil colours
NOVEMBER	VEHICLES	Drawing and rendering of auto-rickshaw and glider (Pg 45-46)	Using the knowledge gained from the above topics and soft skills to put together and compose the scene by handling different mediums together	Different artists work can be shown as an experimental learning for Pedagogical teaching	Learn the auto-rickshaw and glider vehicle drawing and rendering, make a composition out of them
DECEMBER	HUMAN FORM STUDY ART INTEGRATED MULTIDISCIPLINARY PROJECT	Body parts Human Proportion (Pg 48-50) HOLIDAY ASSIGNMENT Warli Art (Pg 58) Model making of major Historical monuments of India.	Learning about the different human postures, proportion, different body parts, detail study to bring out the basic human form	Images and videos of different human postures and different artists human form study can be shown	Detail study of human body, and parts using shading pencil, pencil colours Make a drawing on Indian folk Warli Art using poster paints

JANUARY	COMPOSITION	Folk art Vincet Van Gogh (Pg 44-61)	Understanding and implementing the ways in which arts is used as a tool of learning	Different artists work can be discussed with students for the development of individual style	Make a composition of india folk art keeping in mind space, paper balance, proportion, light, shade and shadow using acrylic colours on canvas
FEBURARY	ANNUAL EXAMINATION				