Learning Outcomes - Class 8

LEARNING OUTCOME PROTOCOL

ST. COLUMBA'S (MIDDLE SECTION)

Grade Specific and Subject Specific Learning Outcomes are framed, for the entire academic year. The same is disseminated to the stakeholders through the school website, in addition to hard copies being given. While framing Learning Outcomes, the focus is always on core competencies that the child will develop while undertaking the said course. The attempt is to integrate different levels of thinking skills within a set of Learning Outcomes. The stress is on framing Learning Outcomes that are SMART-Specific, Measureable, Achievable, Realistic and Time bound.

The annual Learning Outcomes are further broken down into monthly documents, disseminated amongst teachers with grade, subject, and topic references.

Teachers then write Weekly Lesson Plans, where Learning Outcomes Specific to the chapter being taught are penned down. This not only is a grade specific and subject specific exercise but, here the individual texture of each class takes centre stage, with the teacher aiming to incorporate multiple intelligence levels and aiming for an inclusive class. The topics to be taught in the upcoming week are the focal point at this stage.

Finally, before the commencement of each class, the learning outcomes are clearly spelt out to the students by each teacher. While in the on-site classes, this was done using the boards, in the current online scenario, this is done using slides in PPTs.

English	Month	Chapter	Learning Outcomes The learners will be able to:
	April	1.Little Nino and my Secret Beard 2.The Scorpion's Tale	 read the text with comprehension, locate details and sequence of events. articulate their point of view predict the consequences of water
		(S.R) 3.Determiners	shortagelearn new vocabularyIdentify different kinds of determiners

		4.Paragraph Writing (Describing events/people)	 write a paragraph in English from verbal, visual clues, with appropriate punctuation marks and linkers
	Мау	1.Warned 2.Composed upon the West. Bridge(S.R) 3.Tenses(All) 4. Informal Letter	 recite the poem with proper intonation and modulation. write the summary and theme of the poem identify the poetic devices used in the poem identify the tenses and differentiate between the verb forms. connect ideas that he/she has inferred, through reading and interaction, with his/ her personal experiences
	July	1. Planning a Surprise 2.Prepositions 3.Figures of Speech 4.Notice Writing (Lost/Found/Event)	 read text with comprehension locate details and sequence of events infer the word meanings understand the concept of prepositions and its usage learn more about figures of speech give examples of figures of speech
	August	1.Meetings with the Maharaja(S.R) 2.Nine Gold Medals 3.Reported Speech 4.Editing	 read the text and infer the word meanings. answer coherently in written or oral form to questions asked recite the poem with proper intonation and modulation. write the summary and theme of the poem identify the poetic devices used in the poem use the correct form of speech

			 review, organise and edit their own work and work done by peers
	September	1. Somebody's Mother (Revision of previous topics)	 recite and share the poem analyse the meaning of the poem answer coherently in written or oral form to questions in English based on the poem heard or read develop the ability and knowledge required in order to engage in independent reflection and inquiry needed for writing answers
	October	1.Sachin Tendulkar,The Master Blaster 2.Reported Speech (cont) 3.Conjunctions 4.Figures of Speech {7}	 read text with comprehension, locate details and sequence of events answer the questions asked infer the word meanings understand the types of conjunctions differentiate the conjunctions identify the figures of speech articulate the use of figures of speech in their writing give examples of various figures of speech
	November	1. Festival of Eid 2. What is Peace? 3.Formal Letters (Editor, Leave Application)	 read text with comprehension, locate details and sequence of events appreciate either verbally / in writing for the importance of peace read the poem effectively (with proper rhythm and intonation) respond, in writing, to business letters, official communications email etc learn the proper format of formal letters to be used comprehend and analyse the importance of formal letters.

December	1. His First Flight (S.R) 2.Phrases and Clauses 3.Article Writing	 read and identify the main points locate significant details of texts differentiate between phrases and clauses apply previously learned knowledge use meaningful grammatically correct sentences to describe and narrate events or people in a correct format of an article.
January	1.The Mystery of Aquilla Diamond (S.R) 2.Voice 3.Revision of previous topics	 read text with comprehension, locate details and sequence of events: articulate their point of view uses the dictionary for reference comprehend how to use correct voice differentiate between active and passive voice. identify the voice and transform it into the other voice or vice-versa. write without prior preparation on a given topic and be able to defend or explain the stand taken
February	1.Revision 2.Diary Entry	 recap and revise the previously learned topics learn the format of diary writing express himself in a better way write without prior preparation on a given topic and be able to defend or explain the stand taken

Hindi	Month	Chapter	Learning Outcomes The learners will be able to:
	April	साहित्य - पाठ-6.भगवान के डाकिए पाठ-2 .लाख की चूड़ियां व्याकरण -	*विश्व बंधुत्व की भावना सीखेंगे * प्रकृति की विविधता में संवाद- अंतर्संबंध जानेंगे. *डाकिए की भूमिका का महत्व समझेंगे. * शहरीकरण व औद्योगिक विकास से ग्रामोद्योगों के उजड़ने की पीड़ा को समझेंगे. *चूड़ियां बनाने की प्रक्रिया उनसे संबंधित नए शब्द सीखेंगे. *सामाजिक ,सांस्कृतिक ,आर्थिक बदलावों को जानेंगे.
		* वर्णमाला *अनुस्वार *अनुनासिक *वर्ण विच्छेद * पर्यायवाची ,विलोम * अपठित गद्यांश * चित्र वर्णन , मुहावरे	* व्याकरणिक संरचनाओं का बोध और प्रयोग सीखेंगे . * विश्लेषण व भाषा कौशल सीखेंगे . * नए शब्द व प्रयोग सीखेंगे . * अर्थ ग्रहण, अनुमान लगाना ,शब्द ज्ञान व भाषा कौशल का विकास होगा .
	Мау	साहित्य- पाठ-3 .बस की यात्रा - पाठ-9.कबीर की साखियाँ -	*छात्र यातायात की दुर्व्यवस्थाओं को जानेंगे . * लेखक की लेखन शैली - व्यंग्य विधा से प्रेरणा लेंगे. * प्राइवेट बस कंपनी के मालिक की मानसिकता से रूबरू होंगे कि अधिकाधिक मुनाफा कमाने के लिए वह यात्रियों की जान भी जोखिम में डाल सकते हैं. *किव के मनोभावों व शब्दों को समझ कर प्रसंग अनुकूल अर्थ समझना सीखेंगे * जीवन मूल्यों की पहचान करना सीखेंगे .
		ट्याकरण - * संज्ञा - भेद * संवाद लेखन *अपठित काट्यांश	* नैतिकता ,ज्ञान व गुणों का महत्व समझना . * व्याकरणिक संरचनाओं का बोध और प्रयोग , * विश्लेषण व भाषा कौशल सीखेंगे. * नए शब्द व प्रयोग सीखेंगे . * अर्थ ग्रहण, अनुमान लगाना ,शब्द ज्ञान व

	* सर्वनाम - भेद	भाषा कौशल का विकास .
July	साहित्य - पाठ-7.क्या निराश हुआ जाए	*पाठ के माध्यम से जीवन उपयोगी शिक्षा ग्रहण करेंगे.* कठिन परिस्थितियों में भी निराश नहीं होना चाहिए जानेंगे.* सीखेगे कि दूसरों के दोषों को बढ़ा चढ़ा कर नहीं बताना चाहिए. *दूसरों के गुणों को अवश्य ही उजागर करना चाहिए.
	पाठ-10. कामचोर	*पाठ के माध्यम से शारीरिक श्रम के महत्त्व को समझेंगे व घर में माता पिता की मदद करना सीखेंगे *लेखक के मनोभावों को समझकर आलोचनात्मक चिंतन , तार्किकता एवं जीवन मूल्यों की पहचान करना सीखेंगे .
	ट्याकरण - *अनौपचारिक पत्र *अनुच्छेद *संधि दीर्घ *अपठित गद्यांश	*ट्याकरण की विविध विधाओं के विषय में जानेंगे.*प्रश्नों के उत्तर देने की कला , प्रश्न —िनर्माण की कला सीखेंगे*पत्रों के प्रकार जानेंगे व लिखने की विधा सीखेंगे . *भाषा में प्रवाहमयता, *सटीक शैली , *उचित प्रारूप का प्रयोग,*अभिव्यक्ति की मौलिकता , * सृजनात्मकता सीखेंगे .
August	साहित्य पाठ- 12.सुदामा चरित पाठ- 4 .दीवानों की हस्ती	श्रीकृष्ण व सुदामा की मित्रता के विषय में जानेंगे व प्रेरणा लेंगे
	१ .जानाचा चत्र (१९६॥	*किव के मनोभावों व शब्दों को समझ कर प्रसंग अनुकूल अर्थ समझना सीखेंगे. * जीवन मूल्यों की पहचान करना सीखेंगे.
	ट्याकरण *कारक भेद *विशेषण भेद *सूचना	*व्याकरणिक संरचनाओं का बोध और प्रयोग , * विश्लेषण व भाषा कौशल सीखेंगे. * नए शब्द व प्रयोग सीखेंगे . * अर्थ ग्रहण, अनुमान लगाना ,शब्द ज्ञान व

		*अनेक शब्दों के लिए एक शब्द	भाषा कौशल का विकास .
	September	साहित्य व्याकरण के समस्त कार्य की पुनरावृति	*अभ्यास कार्य द्वारा ग्रहण क्षमता व भाषा अभिव्यक्ति कौशल का विकास करेंगे . *व्याकरण के प्रमुख अंगो का ज्ञान प्राप्त करेंगे. *व्याकरणिक तत्वों का ज्ञान व प्रयोग सीखेंगे
	October	साहित्य - पाठ-14.अकबरी लोटा पाठ-11. जब सिनेमा ने बोलना सीखा ट्याकरण - *अनुच्छेद लेखन *अपठित गद्यांश ,काट्यांश * विराम चिन्ह *उपसर्ग - प्रत्यय *वाक्य शुद्धिकरण *संधि गुण	*लेखक के मनोभावों को समझकर आलोचनात्मक चिंतन सीखेंगे . *तार्किकता एवं जीवन मूल्यों की पहचान करना सीखेंगे* मूक व सवाक फिल्मों के इतिहास, फिल्मकार व कलाकारों के विषय में जानेंगे . व्याकरणिक संरचनाओं का बोध और प्रयोग , * विश्लेषण व भाषा कौशल सीखेंगे. * नए शब्द व प्रयोग सीखेंगे . * अर्थ ग्रहण, अनुमान लगाना ,शब्द ज्ञान व भाषा कौशल का विकास .
	November	साहित्य पाठ-5. चिट्ठियों की दुनिया पाठ-15. सूर के पद	*पाठ के माध्यम से महात्मा गांधी के पत्र नेहरू जी द्वाराअपनी पुत्री को लिखे गए पत्रों के विषय में जानेगे. *जीवन में पत्रों के महत्व व उपयोगिता को समझेंगे. *प्राचीन समय के संदेशवाहकों के विषय में भी जानेगे. *कवि के मनोभावों व शब्दों को समझ कर प्रसंग अनुकूल अर्थ समझना सीखेंगे. * जीवन मूल्यों की पहचान करना सीखेंगे. *काव्य बोध व अभिव्यक्ति की क्षमता का विकास होगा.

		व्याकरण - *विज्ञापन *औपचारिक पत्र *अपठित काव्यांश	*भाषा में प्रवाहमयता, *सटीक शैली , *उचित प्रारूप का प्रयोग,*अभिव्यक्ति की मौलिकता , *जीवन मूल्यों की पहचान सीखेंगे . * सृजनात्मकता सीखेंगे .
	December	साहित्य - पाठ-8 .यह सबसे कठिन समय नहीं पाठ-17 बाज और सांप व्याकरण - अनेकार्थी शब्द अपठित गद्यांश संवाद लेखन	*किव के मनोभावों व शब्दों को समझ कर प्रसंग अनुकूल अर्थ समझना सीखेंगे . * जीवन मूल्यों की पहचान करना आएगा . *काव्य बोध व अभिव्यक्ति की क्षमता का विकास होगा . *लेखक के मनोभावों को समझकर आलोचनात्मक चिंतन सीखेंगे . *तार्किकता एवं जीवन मूल्यों की पहचान करना सीखेंगे *भाषा में प्रवाहमयता, *सटीक शैली , *उचित प्रारूप का प्रयोग,*अभिव्यक्ति की मौलिकता , .* सृजनात्मकता सीखेंगे .
	January	साहित्य - पाठ-18. टोपी व्याकरण - *औपचारिक पत्र * विज्ञापन * सूचना	*क्षेत्रीय भाषा के शब्दों का ज्ञान प्राप्त करेंगे. * विभिन्न कारीगरों के विषय में जानेंगे. * गौरैया के माध्यम से सीखेंगे के कार्य की सफलता के लिए उत्साह आवश्यक है. भाषा में प्रवाहमयता, *सटीक शैली, *उचित प्रारूप का प्रयोग,*अभिव्यक्ति की मौलिकता, * सृजनात्मकता सीखेंगे.
	February	साहित्य व्याकरण के समस्त कार्य के पुनरावृति हमने	*अभ्यास कार्य द्वारा ग्रहण क्षमता व भाषा अभिव्यक्ति कौशल का विकास करेंगे .

	*ट्याकरण के प्रमुख अंगो का ज्ञान प्राप्त करेंगे . * ट्याकरणिक तत्वों का ज्ञान व प्रयोग सीखेंगे .

Maths	Month	Chapter	Learning Outcomes The learners will be able to:
	April	1.Rational Numbers	(1)recognize and recall rational numbers and the representation of the integers on the number line (2) Extend your knowledge of the 4 operations on the closure ,commutative , associative and distributive property on the rational numbers . (3)represent the two types of rational numbers on the number line (4)Find a few rational numbers between any two given rational numbers
		2.Linear Equations in one variable	(1) Recollect their knowledge of linear equations and hence solve simple equations to evaluate x (2) CONVERT the word problem into linear EQUATIONS and hence APPLY THE KNOWLEDGE to solve the different types linear equations (3)Solve different forms of linear equations like fractions, decimals and bracketed and word problems based on them.
	May	1. Understanding Quadrilaterals	(1)Understand the concept of angle sum, interior and exterior angles of polygon

	2.Playing with Numbers	(2) Understand and apply the knowledge of various properties of sides, diagonals and angles of a parallelogram (3) understand and apply the knowledge of various properties of sides, diagonals and angles of a parallelogram. (4) understand and apply properties of special types of parallelogram ex 3.4 (1) solve puzzles based on the topic "letter for digits " for addition & multiplication. (2) recall the divisibility tests for the numbers 2 to 10 (3) apply their knowledge to find the "digit for letters.
July	 Square and Square Roots Cube and Cube Roots 	(1) Understand and apply various properties related to squares and square roots of natural numbers (2)Understand and apply the method of prime factorization and repeated squares to find the square roots and do the related word problems (3)Understand the method of LONG DIVISION of natural numbers and decimals to find the square roots and do the related word problems (1)Understand properties of cubes and cube roots of natural numbers (2)Understand how to convert a non -perfect cube into a perfect cube number by multiplying or dividing with a factor whose triplet is not formed (3) Understand and apply prime factorisation method to find the cube root

August	1. Algebraic Expression	(1)Recall the basic terminology of the Algebraic Expression -terms, factors, coefficients, monomial binomials, trinomials and the two operations addition and subtraction on the algebraic expression (2)Understand and apply the operation
	2. Visualising Solid	multiplication on monomials ,binomials and trinomials (3) Understand and apply the four standard identities on simple algebraic terms , decimals and integers (1)Observe and Discuss the side ,top and front view
	Shapes	of any given object (2)Understand how to read maps (3)Observe the Faces, Vertices and Edges of the polyhedrons and verify the Euler's Formula.
September	Factorisation	 (1)Understand how to find the factors of algebraic expression using the Method of common factors, regrouping terms, (2)Understand how to find the factors of algebraic expression using the standard identities. (3) Understand how to divide two algebraic expression
October	Comparing Quantities	(1)Recall the ratio and percentage and extend the knowledge to understand the estimation in percentage (2) Understand how to find the increase and
		decrease percent, discounts, cost price, selling price, loss % and the profit %, VAT. (3)Understand how to evaluate the compound Interest under different categories and compounded yearly and half yearly

		(4)Apply the formula of compound interest to evaluate the growth of the population and depreciation of value of the items
November	Exponents and Powers	(1)Understand the how to express small numbers as Powers with negative exponents (2)Understand and apply laws of exponents to simplify simple numerical expressions and evaluate the answer as a rational number.
		(3)Understand and apply the use of Exponents to express Small Numbers & very Large Numbers in the standard form and hence compare the small and large numbers.
December	1.Direct and Inverse Proportions	(1)Understand the quantities that are in direct proportion and Solve word questions based on that (2)Understand the quantities that are in Inverse proportion and Solve word questions based on that
		(3)1)Understand the quantities that are in direct proportion and inverse proportion and Solve word questions based on the combination of the both. (1)Understand how to make the first quadrant of the
	2. Introduction to graph	cartesian plane and hence plot points on a squared paper or a graph paper (2)Understand and draw a line graph, in the first Quadrant of the cartesian plane. Interpret the data using different line graphs.
		(3) Plotting the points to decide the nature of the graph as linear graph or not.
January	Mensuration	(1) Recall and apply the formula of Area and Perimeter on various geometrical shapes

		such as Circles, Rectangle, Square, Triangle and Parallelogram (2) Evaluate the area of Trapezium.Evaluate the area of special quadrilaterals and Polygons (3) Evaluate the Volume of a Cube, Cuboid and Cylinder and understand the difference between the capacity and the volume
February	1.Data Handling	 (1) Understand how to organise any given raw data, organizing them into groups to prepare a grouped frequency table. (2) Draw a histogram and interpret the data graphically. (3) Develop the skill of drawing the pie chart and also interpret the data using any given pie chart. (4) Understand the terms "chance" and "probability" and linking "chances" to evaluate probability using the empirical formula.
	2. Practical Geometry	 (1) Developing the skill of constructing a quadrilateral when four sides and one diagonal are given (2) Developing the skill of constructing a quadrilateral when three sides and two diagonal are given (3) Developing the skill of constructing a quadrilateral when to adjacent sides and three angles are given (4) Developing the skill of constructing a quadrilateral when three sides and two included angles are given (5) Developing the skill of constructing a quadrilateral when special properties of the quadrilateral are known

Science	Month	Chapter	Learning Outcomes The learners will be able to:
	April	1. Cell Structure and Functions	 Differentiate Prokaryotic and Eukaryotic cells, plant and animal cells on the basis of their structure and functions. Explain the structure and functions of different cell organelles. Classify various types of unicellular and multicellular organisms depending upon their structure and functions.
		2. Force and Pressure	 Differentiate contact & non- contact forces, Pressure in solids and fluids on the basis of different properties. Solve numerical on balanced and unbalanced forces, resultant force.
	May	1.Microorganisms : Friends and Foe	 Classify different types of microbes. Justify the title of the chapter through various daily life activities of microbes. appreciate the role of vaccines correlating it with the need of the hour.

	2. Light	 Appreciate the importance of reflection in everyday life. Construct materials like kaleidoscope, periscope by applying the concept of multiple reflection of light. Explain the structure of the human eye and its different components.
July	1.Combustion and Flame	 Explain the three necessary conditions for combustion by various activities. classify different types of combustion on the basis of products formed. explain the different zones of a candle flame. Relates processes and phenomenon with causes like smog formation, global warming and acid rain.
	2. Friction	 justify why friction is a necessary evil. state the factors that can increase or decrease friction.
August	1.Coal and Petroleum	 Distinguish between renewable and non-renewable resources. Estimate the formation of coal and petroleum and their extraction from the earth's surface. approximate the products obtained after destructive distillation and fractional distillation of coal and petroleum respectively.
	2. Crop Production and Management	 Appreciate different scientific steps involved in crop production and its management. Approximate different agricultural tools, irrigation and farming techniques.
	3. Pollution of Air and Water	 Reflect and appreciate the different steps adopted by Sikkim to control pollution in their area.

September	1. Conservation of Plants and Animals	 Estimate the role of different plants and animal species. appreciate the need to conserve these species. State the different divisions of these species.
October	1. Materials: Metals and Non Metals	 Differentiate Materials as metals, non- metals on the basis of their physical and chemical properties. Write word and chemical equations.
	2.Synthetic Fibres and Plastics	 Differentiate natural & synthetic Fibers and plastic on the basis of their structure and properties. Estimate the advantages and disadvantages of fibre and plastic.
November	1. Sound	 Estimate the properties of a wave and correlate it with a sound wave. explain the structure of the human ear and how to take care of it.
	2. Stars and the Solar System	 Estimate the change in shape of the moon by observing it daily for fifteen days. Estimate the different heavenly bodies present in our solar system.
December	1. Chemical Effects of Electric Current	 Explain the different components involved in electrolysis. Illustrate the application of electrolysis.
	2. Some Natural Phenomena	 Estimate lightning and earthquake as two natural phenomena- their causes, effects and preventive measures.
January	1.Reproduction in Animals	 Explain the male and the female reproductive system. Explain how are babies formed?

February	Reaching the age of adolescence Revision	 Estimate the physical and emotional changes a teenager experiences. Distinguish between oviparous and viviparous organisms. Estimate challenging myths and taboos regarding Adolescence.

SST	Month	Chapter	Learning Outcomes The learners will be able to:
	April	1. Resources	 To know the meaning of resources, their variety, location and distribution. Comprehend the importance of resources in our life; Appreciate the judicious use of resources for sustainable development; Generate awareness towards resource conservation and take initiative towards the conservation process.
		2. From trade to territory; The	 Interpret the story of a trading company becoming a political power.

		company establishes power	 Illustrate how the consolidation of British power was linked to the formation of Colonial armies and Administrative structures.
	Мау	1.The Indian Constitution	 To comprehend the rule of law, our involvement with the law and the Constitution as the primary source of all our laws. List the key features of Constitution Appreciate the Fundamental rights.
		2. Land, Soil, Water, Natural vegetation and Wildlife Resources	 Comprehend the importance of Land, Soil, Water, Vegetation and Wildlife Analyse the factors affecting these resources. Appreciates the judicious use of natural resources such as water, soil, forest, etc. to maintain the Ecological balance.
	July	1.Ruling the Countryside	 Depict the changes within rural society due to new methods of collection of revenue. Discuss how growth of new crops often disrupted the rhythms of peasant life. List the impact of colonial agrarian policies in different regions of the country. Comprehend the need to separate Religion from State .

	2. Understanding Secularism	 Analyse the nature of Indian Secularism . Identify the ways by which the Indian state prevents any kind of domination
	3. Minerals and Energy Resources	 Analyse uneven distribution of natural and human made resources on the earth. List the methods to extract minerals. Comprehend the uses of minerals and their conservation Differentiate between conventional and non- conventional resources Distinguish between different types of Power resources their advantages and disadvantages.
August	1. Why do we need a Parliament?	 Describe what makes perfect Democracy. Analyse the functions of Lok Sabha and Rajya Sabha. Extract the role of the Parliament.
	2. Understanding Laws	 Define Law Describe Law making process List out unpopular laws and controversial laws.

		Analyse the role of people's agency in placing demands for legislation and the ways in which the government and other groups respond to such issues.
	3. When People Rebel	 Analyse why revolt originated and spread. Relate it with growing discontent due to colonial rule. Illustrate the changes in colonial rule after the revolt of 1857.
September	1. Agriculture	 Interpret the term Agriculture and other activities associated with it. Analyse the various types of farming. Identify and locate the regions where the major crops grow on the Political map of India. List the factors involved in the process of Agriculture.
	2.Judiciary	 Interpret the structure of courts and their role. Analyse the independence of Judiciary and access of people to Judiciary. Differentiate between Civil and Criminal cases.

November 1. Understanding Criminal Justice System 1. Understanding Public Prosecutor and the Judge. 2. Understanding Public Prosecutor and the Judge. 3. Understanding Public Prosecutor and the Judge. 4. Understanding Public Prosecutor and the Judge. 4. Understanding Public Prosecutor and the Judge. 5. Understanding Public Pub		October	1.Civilising the "Native" Educating the Nation	 Evaluate how the educational system that is seen as universal and normal today has a history. Analyse how the politics of education is linked to questions of power and cultural identity. Compare the traditional Education System with that of the New system set up by the British .
providing public facilities such as water, sanitation,road, electricity etc., and recognises their availability. • Analyse the inequalities that exist in providing the public facilities. • List the steps taken by the Government to improve these		November	Criminal Justice	 Public Prosecutor and the Judge. Identify the rights of the arrested person. List out the need of the First Information Report. Know the criminal procedure of our
1 1			2.Public Facilities	 providing public facilities such as water, sanitation,road, electricity etc., and recognises their availability. Analyse the inequalities that exist in providing the public facilities. List the steps taken by the Government to improve these

	December	1.Law and Social Justice System	 Illustrate the importance of implementing existing laws and making new laws for factories. Comprehend the need of enforcing safety laws in factories. List the new Laws for Environmental Protection
	January	1.Industries	 Categorise the various types of Industries based on raw materials, size and ownership. Identify the factors affecting the location of Industries. List the inputs and outputs of an Industrial system.
		2.India After Independence	 Evaluate the problems India faced immediately after Independence. Analyse the new Governmental priorities . Debate over the important features of the Constitution . Appreciate the progress made by India since Independence.
	February	1. Human Resources	Analyse the role of human resources in development of the Nation's Economy.

	 Identify the factors responsible for uneven distribution of population. Evaluate the pattern of Population Change.
2. Revision	 Analyse the understanding of the topics Know the learning gaps Identify the areas in which improvement has to be made.

Computer Science	Month	Chapter	Learning Outcomes The learners will be able to:
	April	Chapter 2 : (Database management System)	 Define Database. Explain the uses of Database. Describe the types of Database.
	May	Chapter 2 : (Database management System)	Define Electronic data processing(EDP) Define concept of DBMS. Use the different options of Electronic Data Processing.

	July	Chapter 2 : (Database management System)	 Define the function of File, Record and Field. List the popular DBMS Softwares. Differentiate between Database and Spreadsheet.
	August Chapter 9: Web Publishing with HTML	Publishing with	 1.Explain the function of different tags used in HTML programming. 2. List the function of different attributes of <body> tag, tag.</body> 3. List the different Colors and its Hexadecimal values. 4. Define List in HTML. 5. Describe the types of list in HTML. 6. List the Function of Ordered List.
	September	Knowing about E-Commerce	 Define E-Commerce. Explain the uses of E-Commerce. Explain the different types of E-Commerce.
	October	Knowing about E-Commerce	1.List Advantages of E-Commerce to organisations. 2. List Advantages of E-Commerce to Customers. 3. Elucidate theAdvantages of E-Commerce to Society.

November	Chapter 9 : Web Publishing with HTML	1.Define UnOrdered List .2. Explain TYPE attribute with tag.3. Explain TYPE attribute with tag.
December	Chapter 9 : Web Publishing with HTML	 Use the tag and <ui> tag attributes in HTML program.</ui> Insert picture in the Web Page. Define the function of tag. Use the different attributes of tag in the HTML programs.
January	Chapter 9 : Web Publishing with HTML	1.Define the function and Syntax of <a> tag. 2. Link one web page to another page using <a> tag.
February	Chapter 9 : Web Publishing with HTML	Use different tags of HTML in writing the programs based on (, <a>,, tags.

Art	Month	Chapter	Learning Outcomes The learners will be able to:
	April	1.Poster Designing	Learn the importance of postersLearn selection of fonts.
			-Create a suitable attractive colour scheme for the poster designing.

	2.Tie and Dye (using handkerchief)	
	3.Paper Honeycomb Ball 4.Geometrical	
	Design Drawing	-Learn to create geometrical patterns. -Create different designs using geometrical compass and scale on two dimensional surfaces. -Learn usage of drawing space and creating contrast on two dimensional surfaces.
Мау	1.Volumetric Quilling	-Learn proper paper folding and cutting skills. -Develop assembling skills. -Develop visual sense of measurement.
	2. Madhubani Painting	-Learn traditional painting skills. -Learn line drawing, use of bright and flat colours -Learn the specific motive of this painting.
	3.Paper WindMill	

July	1.Tangram	-Learn and create the seven types of tangram piecesCreate different forms and assemble using the tangram pieces.
	2.Human Figure Proportion	-Learn the idealistic human proportionDevelop drawing and composition skills.
	3.Mandala Art	-Learn proper line drawing skills and concept of formsCreate different types of patternsDevelop fine motor skills.
	4.Paper Cutting Design	-Learn proper drawing and paper cutting skillsLearn concept of patterns.
August	1.Landscape (with pencil and colours)	 -Learn about primary colours (red, blue and yellow) and secondary colours (orange, violet and green) -Improve their self confidence by directly using colours for creating the artwork.
	2.Clay Modelling (animals and objects)	
September	1.Composition (using water colours)	-Learn drawing, painting and colouring skills. -Learn about the usage of water colours and poster colours. -Create a suitable composition using their creativity and imaginative skills.
	August	2.Human Figure Proportion 3.Mandala Art 4.Paper Cutting Design August 1.Landscape (with pencil and colours) 2.Clay Modelling (animals and objects) September 1.Composition (using water

		2.Fancy Handmade Box	- Learn the importance of organic products in our daily life. -Learn handling of decorative material to create objects such as box and explore the variety of decorative objects.
	October	1.Composition (mixed media and collage)	-Learn drawing, painting and colouring skills. -Create a suitable composition using their creativity and imaginative skills. - Learn proper paper tearing and pasting skills. -Learn the usage of different materials on a single surface.
		2.Warli Painting	- Learn line drawing and geometrical forms. - Understand the origin of this folk art. -Learn about flat colours.
	November	1.Festival Activity (Diwali decorations)	-Create different types of Diwali decorations. -Learn paper folding, cutting and pasting skills.
		2. Festival Card	-Learn various types of paper cutting, pasting and folding skillsLearn drawing, painting and decorating techniques.
	December	1.Festival Activity (Christmas and New year decorations)	-Create different types of Diwali decorationsLearn paper folding, cutting and pasting skills.
		2.New Year's Card	-Learn various types of paper cutting, pasting and folding skillsLearn drawing, painting and decorating techniques.

January	1.Poster Making	1.Learn the importance of posters.
		2.Learn selection of fonts.
		Create a suitable attractive colour scheme for the poster designing.
		\
	2.Stencil Art	-Learn drawing and paper cutting skills.
		-Develop their sense of control and patience while using the tools.
February	1. Creative painting	-Improve their imaginative and creativity skills.
		-Develop drawing and composition skills.
	2.Creative Glass Bottle painting	bottlesLearn decorating on 3D objects.

PHE	Month	Chapter	Learning Outcomes
			The learners will be able to:
	April	1.Importance of Physical Education	Develop motor ability skills
		2.Marching	Develop sense of rhythm

	1	
		Develop coordination ability
Мау	1.Football laws	· Rules and regulations of football
	2. Cricket Laws	· Overall personality development
		· Improves cardiovascular health
		· Promotes teamwork and sharing
		· Improve endurance and stamina
		· Develop essential fine motor skills
		· Improve hand-eye
July	1.Meaning and Benefits of Yoga With Asanas	A sense of discipline and respect for oneself and others
	2.Asana's for stomach, liver and pancreas:	Develop mentally, physically, emotionally, socially and psychologically
	Asana	· Overall personality development

	B.Uttanpaada Asana C.Nauka Asana(Boat-Pose) D.Setubandha Asana E. Pada gushtnasa sarpa Asana	
August	1.Asanas which are good for back pain and strengthens backbone muscles: A.Bhujanga asana B.Dand asana C.Saulb asana D.Vipreetnauk asana E.Dhanur asana	 The student will be able to demonstrate proficiency at the poses covered in class (at a basic level) The student will increase their dynamic flexibility The student will perform proper breathing techniques The student will be able to identify some of the major muscles used in any given pose The student will develop a greater sense of body self-esteem and appreciation for the art of yoga
September	Exercises for fat loss.	The student will be able to know about the strengths and weakness in their body. They would learn how to maintain their diet and know about the nutrients.

		They can find a way to tone their body and workout on the weak parts.
October	Cricket	1 To be able some of the basic rules of cricket.
		2. To develop a range of skills to use in isolation and in a competitive context.
		3. To use basic skills with more consistency including striking a bowled ball
		4. To develop the range of Cricket skills they can apply in a competitive context.
		5. To choose and use a range of simple tactics in isolation and in a game context.
		6. To consolidate existing skills and apply with consistency
		6. To link together a range of skills and use in combination
		To collaborate as a team to choose, use and adapt rules in games.

		7. To recognise how some aspects of fitness apply to cricket e.g. power, flexibility and cardiovascular endurance
		8. To apply with consistency standard cricket rules in a variety of different styles of games.
		9. To attempt a small range of recognised shots in isolation and in competitive scenarios.
November Yoga Mundak Asana , Vakra Asana , Gomukh Asana , Ardhmatsyendrasa na		10. To use a range of tactics for attacking and defending in role of bowler, batter and fielder
	 The student will be able to demonstrate proficiency at the poses covered in class (at a basic level) The student will increase their dynamic flexibility 	
		 The student will perform proper breathing techniques The student will be able to identify some of the major muscles used in any given pose

			The student will develop a greater sense of body self-esteem and appreciation for the art of yoga
D	ecember	Football	To be able to show basic control skills including sending and receiving the ball.
		Dribbling	2. To send the ball with some accuracy to
		Push-pass	maintain possession and build attacking play.
		shooting	3. To implement the basic rules of football.
			4. To introduce some defensive skills
			5. To dribble in different directions using different parts of their feet.
			6. To Pass for distance
			7. To Evaluate skills to aid improvement
			8. To play effectively in a variety of positions and formations on the pitch

		9. To relate a greater number of attacking and defensive tactics to game play
		10. To become more skilful when performing movements at speed
January	Basketball	1. Understand basic basketball rules, terminology, and safety concerns.
		2. Demonstrate the six basic basketball skills of running, jumping, passing,
	Dribbling ,	catching, dribbling, and shooting.
	Passing	3. Demonstrate the ability to perform individual offensive and defensive skills and strategies.
	Shooting	
		4. Demonstrate the ability to perform team offensive and defensive skills and
		strategies.
		5. Understand and apply the knowledge of basic rules of basketball.
		6. Demonstrate proper etiquette and good sportsmanship.

Fohruary	Cricket	6. Understand basic basketball scoring and officiating procedures. Successfully participates in skill improvement and offensive game strategies. Consistently responds defensively to the opponent's play. 7. Demonstrate proper etiquette and good sportsmanship. Develop an awareness of community resources and opportunities related to basketball. 8. Demonstrate an understanding of health-related fitness components: muscular strength, muscular endurance, and stress management. Assess current personal fitness levels. Identify the major muscle groups and their application to basketball.
February	Cricket	1 To be able some of the basic rules of cricket.

5 over matches to be played between repective teams	2. To develop a range of skills to use in isolation and in a competitive context.
	3. To use basic skills with more consistency including striking a bowled ball
	4. To develop the range of Cricket skills they can apply in a competitive context.
	5. To choose and use a range of simple tactics in isolation and in a game context.
	6. To consolidate existing skills and apply with consistency
	6. To link together a range of skills and use in combination
	To collaborate as a team to choose, use and adapt rules in games.
	7. To recognise how some aspects of fitness apply to cricket e.g. power, flexibility and cardiovascular endurance

	8. To apply with consistency standard cricket rules in a variety of different styles of games.
	9. To attempt a small range of recognised shots in isolation and in competitive scenarios.
	10. To use a range of tactics for attacking and defending in role of bowler, batter and fielder

Sanskrit	Month	Chapter	Learning Outcomes The learners will be able to:
	April	1. परिवर्तनशील धातुएं , - शब्द रूप कवि 2. रुचिरा : प्रथमः पाठः - सुभाषितानि	1 छात्र धातु रूप निर्माण अर्थात् संस्कृत में काल का ज्ञान को सुदृढ़ कर सकेगें। 2 व्याकरण के भेदों को जान कर संस्कृत वाक्य रचना और अधिक स्पष्ट एवं सुन्दर कर सकेगें। 3 छात्र श्लोकों के भाव- अर्थ जान सकेंगे। 4 अभ्यास कार्य द्वारा ग्रहण क्षमता का तथा भाषा अभिव्यक्ति कौशल को सुदृढ़ कर सकेगें।

	May	1. रुचिरा : द्वितीयः पाठः - बिलस्य वाणी 2. स्वयंप्रकाश - सर्वनाम ,कृ धातु व अव्यय E,	1 छात्र धातु रूप निर्माण अर्थात् संस्कृत में काल का ज्ञान को सुद्द कर सकेगें। 2 अव्यय सीख उनका उचित प्रयोग कर सकने में सक्षम होंगे। नए-नए शब्दों के प्रति व्यक्त करते हुए विभिन्न शब्दों से अव्यय को पहचान सकेंगे छात्रों के शब्द ज्ञान में वृद्धि होगी तथा शब्दकोश की सहायता से छात्रों के अर्थ ज्ञान में भी वृद्धि होगी। 3 पाठ का अर्थ ग्रहण कर अभ्यास करने में सक्षम हो सकेंगे। 4 पठित गद्याँश अभ्यास द्वारा अपने पठन कौशल को सुद्द कर सकेगें।
	July	1.रुचिरा - पञ्चमः पाठः - कण्टकेनैव कण्टकम् 2. आओ संस्कृत सीखें - पृष्ठ ६६-६७ -६८ प्रत्यय	1 छात्र पाठ के मूल भाव को समझकर उस में अंतर्निहित मूल्यों को अपने जीवन में अपनाएंगे। 2 कठिन शब्दों व उनके अर्थ जान सकेंगे। 3 अभ्यास कार्य द्वारा ग्रहण क्षमता का तथा भाषा अभिव्यक्ति कौशल को सुदृढ़ कर सकेंगे। 3 संस्कृत व्याकरण के प्रमुख अंगों को जान सकेंगें। 4 छात्र प्रत्यय का उचित प्रयोग करके वाक्य रचना कर सकने में सक्षम होंगे।
	August	1 . रुचिरा- नवमः पाठः - सप्तभगिन्यः 2. आओ संस्कृत सीखें - पृष्ठ 26-27 धातु रूप- अस् धातु लृट् पृष्ठ २८-२८ विशेषण -विशेष्य	1 छात्र भारत के उत्तर पूर्वी राज्यों के सामाजिक परिवेश सांस्कृतिक तथा प्राकृतिक सुंदरता के विषय में जान सकेंगे। 2 पाठ का अर्थ ग्रहण कर अभ्यास करने में सक्षम हो सकेंगे। 3 पिठत गद्याँश अभ्यास द्वारा अपने पठन कौशल को सुदृढ़ कर सकेंगे। 4. लकारों को समझ कर वाक्यों में प्रयोग कर सकेंगे। व्यवहारिक जीवन में संस्कृत में छोटे-छोटे सरल वाक्यों का निर्माण करने में समर्थ होंगे। 4. विशेषण विशेष्य के ज्ञान द्वारा छात्र अपने चित्र वर्णन कौशल को विकसित कर सकेंगे और सुंदर वाक्यों की रचना करने में समर्थ होंगे।
	September	1 तृतीयः पाठः - डिजीभारतम्	1 छात्र पाठ को अर्थ ग्रहण एवं अभिव्यक्ति के साथ पढ़ने में सक्षम होंगे

		2 अपठित गद्यांश (गृहं शून्यं सुतां विना) 3 .आओ संस्कृत सीखें -पृष्ठ १८ - किम् शब्द रूप, पुल्लिंग, संख्या २६-५०	2 छात्र अभिव्यक्ति के साथ पाठ के समस्त अभ्यास कार्य को कर सकने में सक्षम होंगे 3 अर्थ ग्रहण कर छात्र प्रश्नोत्तर करने में समर्थ होंगे 4 किम् शब्द रूप के भेदों को जान कर संस्कृत संस्कृत में प्रश्न निर्माण कर सकने में समर्थ होंगे 4 संस्कृत में संख्या को जानकर उनका वाक्यों में उचित प्रयोग करना सीख सकेंगे
	October	1. रुचिरा - पञ्चदशः पाठः प्रहेलिका 2. शब्द रूप मित तथा 3 घटिकायंत्रम् 4 संसार सागरस्य नायकाः (अपठित गद्यांश)	1 प्रहेलिका पाठ द्वारा संस्कृत भाषा का ज्ञान वर्धन होगा। 2 छात्रों को शब्द रूप का बोध होगा तथा उसका उचित प्रयोग अपनी वाक्य रचना में कर सकेंगे। 3 घटिका यंत्र की अभिव्यक्ति द्वारा छात्रों के शब्द ज्ञान में वृद्धि होगी तथा वे संस्कृत भाषा में समय के आधार पर अपनी दिनचर्या को लिखने का कौशल विकसित करेंगे। 4 अपठित द्वारा छात्र संस्कृत भाषा की ग्रहण क्षमता के कौशल को विकसित कर सकेंगे
	November	1. रुचिरा - चतुर्दशः पाठः - आर्यभटः आओ संस्कृत सीखें - पृष्ठ ३२,३३ उपपद विभक्ति अशुद्धि शोधन स्वयंप्रकाश - पृष्ठ ४३ -साधु शब्द रूप लोट् लकार - गम् ,भू, पठ्,पिब्,नम्	1 महान खगोल शास्त्री श्री आर्यभट्ट के जीवन परिचय से प्रेरित होंगे 2 छात्र व्यक्तियों के उचित प्रयोग को जान सकेंगे तथा वाक्य रचना में आने वाली त्रुटियों व अशुद्धियों को दूर करने में सक्षम होंगे 3 उकारांत पुल्लिंग शब्द रूप द्वारा अपने शब्दकोश में वृद्धि कर सकेंगे 4 लकारों को समझ कर वाक्यों में प्रयोग कर सकेंगे व्यवहारिक जीवन में संस्कृत में छोटे-छोटे सरल वाक्यों का निर्माण करने में समर्थ होंगे

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	December	1. रुचिरा - द्वादशः पाठः - कः रक्षति कः रक्षितः ? 2.आओ संस्कृत सीखें - पृष्ठ - १८ किम् नपुंसकलिंग ,स्त्रीलिंग पत्र लेखन 3.धातु रूप - लट् , लङ्ग, लृट् ,लोट् लकार अपठित गद्यांश	1 द्वादश पाठ द्वारा छात्रों में मौलिक विचारों का सृजन होगा तथा छात्र पर्यावरण के प्रति सजग होंगे 2 - प्लास्टिक के उचित एवं अनुचित प्रयोगों के विषय में जान सकेंगे 3 किम नपुंसक लिंग एवं स्पेलिंग शब्द रूप द्वारा छात्रों के प्रश्न निर्माण के ज्ञान में वृद्धि होगी 4 लकारों के ज्ञान द्वारा छात्र उचित क्रिया प्रयोग द्वारा अपनी वाक्य रचना को सुदृढ़ करने में सक्षम होंगे 5 पत्र लेखन द्वारा छात्रों में रचनात्मक कौशल एवं संस्कृत ग्रहण क्षमता का विकास होगा
	January	1. रुचिरा - एकादशः पाठः - सावित्रीबाई फुले 2.आओ संस्कृत सीखें - पृष्ठ ३२,३३ उपपद विभक्ति (पुनः अभ्यास) 3.अशुद्धि शोधन 4. साधु शब्द रूप तथा लोट लकार - गम् ,भू, पठ् ,पिब् ,नम्	छात्र पाठ के मूल भाग को ग्रहण कर अपने जीवन उसको अपनाने का प्रयास करेंगे। पाठ के समस्त अभ्यास कार्य को करने में सक्षम होंगे। भाषिक कार्य के पुनः अभ्यास द्वारा छात्र अपनी वर्तनी एवं वाक्य रचना की अशुद्धियों को दूर करने में सक्षम होंगे। छात्रों की स्मरण योग्यता का विकास होगा।
	February	1. रुचिरा व व्याकरण का समस्त अभ्यास कार्य 2. चित्र वर्णन अपठित पद्यांश (रुचिरा पुस्तक - दशमः पाठः)	 1 पुनः अभ्यास द्वारा छात्र अपनी भाषागत अशुद्धियों को दूर करने में सक्षम होंगे। 2 चित्र वर्णन के माध्यम से व्याकरणिक तत्वों का प्रयोग कर छात्र छोटे-छोटे नए-नए वाक्यों की रचना करने में समर्थ होंगे। 3 छात्र पद्यांश का अर्थ ग्रहण कर प्रश्नों के उत्तर देने में सक्षम होंगे। 4 छात्रों के अभिव्यक्ति कौशल का विकास होगा।

Spanish	Month	Chapter	Learning Outcomes
			The learners will be able to:
	April	En un hotel El aguila y la zorra	 to differentiate between ser, estar, tener & hay - to use sentence structure for obligations to use tener + expression to converse in a hotel read and comprehend Aesop's fable in spanish as well as answer questions from the story Translation short paragraph on the Coronavirus
	Мау	La Navidad en españa	. Read and comprehend Article on Christmas celebration in spanish as well as answer questions from the article . Use saber and conocer to express knowledge, facts and skill . Conjugate verbs in preterito inperfecto and frame sentences . Talk about seven wonders of the world

		. Translate paragraph on Earth Day
July	Un viaje	Read and understand conversation between client and travel agent Write tourist Visa application to embassy Use object pronouns
August	El mundo tecnoloógico	 to describe objects To converse at some monument/to ask about any information at any monument To use simple past tense differentiate between Por and Para Important physical and geographical facts about Latin America
September	En el restaurante	 to use possessive pronouns in sentences - to order food in a restaurant Peer to peer conversation at a restaurant (act) Listen and understand intermediate level Spanish Podcast Use of verbs to describe place and things

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October	En el hospital	. Use of verb " Doler (pain)" to describe physical pain.
		. Use imperative form of verbs to give order and command with object pronouns
		. Read and comprehend short story
		. Write moral of the discussed short story
November	Famosos	. To write biography of Gabriel Garcia Marquez
	Hispanos	. Give information about famous Latin american personalities.
		. Give powerpoint presentation on Mayan Civilization
December	Famosos Hispanos El medio Ambiente	. Write a short note on Ecosystem
		. Ask and describe the weather condition
		. watch cortometraje and write summary
January	Revision	. Recapitulate concepts taught in the first term
		. Apply concepts taught to various situations presented
February	Revision	. Recapitulate concepts taught in the second term

	. Apply concepts taught to various
	situations presented

German	Month	Chapter	Learning Outcomes The learners will be able to:
	April	1.Stefan , wie geht's dir?	 - ask and give information about the well being of a person - Name a few common ailments and remedies - Formulate instructions
	May	Gesund Leben	 Ask for permission Allow someone something specific Forbid something Give reasons for a decision Discuss healthy living and eating habits
	July	Was hast du für deine Gesundheit getan?	- Report about past experiences and everyday events
	August	Was hast du für deine Gesundheit getan?	Question about the past experiences when something happened and answer the same

September	Wo ist Tina?	 Inquire about the whereabouts of a person or a place Fix a meeting place
October	Wo ist Tina?	Talk about shopping places - Orient themselves in a city
November	Hast du Lust , ins Kino zu gehen?	 Plan an outing with a friend Find their way in the city, ask for specific information and to offer the same
December	Hast du Lust , ins Kino zu gehen?	Find their way in the city, ask for specific information and to offer the same
January	Ordnung muss sein!	 Ask about the whereabouts of an object and to find it Ask where to place an object and answer the same Describe a room

February	Ordnung muss sein!	Ask where to place an object and answer the same - Describe a room
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