

# Learning Outcomes - Class 5

## 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.

<b>English</b>	<b>Month</b>	<b>Chapter</b>	<b>Learning Outcomes The learners will be able to:</b>
	<b>April</b>	<b>1. Why Evergreen trees never lose their leaves (prose)</b>	<ul style="list-style-type: none"><li>● <b>make inferences based on the comprehension of the text</b></li><li>● <b>apply the understanding of the story to answer the questions</b></li><li>● <b>identify the speaker and apply comprehension skills.</b></li><li>● <b>interpret, evaluate and analyse the situations occurring in the lesson to answer in grammatically correct sentences.</b></li></ul>
		<b>2.The Sentence</b>	<ul style="list-style-type: none"><li>● <b>define a sentence.</b></li><li>● <b>differentiate between the four different types of sentences .</b></li><li>● <b>learn how to create correct sentences by focussing on correct sentence structure.</b></li></ul>

		<p><b>3. Be a friend (poem)</b></p>	<ul style="list-style-type: none"> <li>● enjoy and appreciate the poem</li> <li>● comprehend the content of the poem</li> <li>● make inferences based on the comprehension of the poem.</li> <li>● apply the understanding of the poem to answer the questions.</li> </ul>
<p><b>May</b></p>		<p><b>1.Nouns (revision of common, proper , collective)</b></p> <p><b>2.Abstract nouns, countable and Uncountable nouns, Possession</b></p> <p><b>3.Rikki- Tikki and Nag (prose)</b></p> <p><b>4.Verbs (revision of kinds of verbs)</b></p>	<ul style="list-style-type: none"> <li>● define and provide examples of nouns.</li> <li>● identify the different types of nouns in a sentence</li> <li>● recognize the difference between common,proper and collective nouns.</li> <li>● appreciate the use of common, proper and collective nouns in our daily life.</li> <li>● explain the function of an abstract noun</li> <li>● identify different abstract nouns in a sentence</li> <li>● identify countable and uncountable nouns</li> <li>● use the correct articles, determiners, and quantifiers with countable/uncountable nouns.</li> <li>● identify possessive nouns</li> <li>● write possessive nouns using apostrophes in the appropriate places</li> <li>● create sentences using possessive nouns</li> <li>● read and comprehend the story</li> <li>● summarise the story in your own words</li> <li>● acquire new vocabulary</li> <li>● analyse the elements plot in the story</li> <li>● define and identify different types of verbs</li> </ul>

		<p><b>5. Phrasal verbs, irregular verbs</b></p> <p><b>6. Incomplete verbs/complements</b></p>	<ul style="list-style-type: none"> <li>● demonstrate correct usage of verbs</li> <li>● identify and use doing, being and possessing verbs</li> <li>● list the key characteristics of phrasal verbs</li> <li>● identify irregular verbs</li> <li>● demonstrate understanding of verb tense</li> <li>● identify verbs of incomplete predication</li> <li>● recognise whether the complement of a verb is a noun, pronoun, adverb or an adjective</li> </ul>
July	<p><b>1. Tenses (Simple Tense)</b></p> <p><b>2. The Tale of Peter Rabbit (prose)</b></p>	<p>discover that verbs change forms depending on their relationship to time.</p> <p>recognise the past, present and future tenses of regular and irregular verbs</p> <p>form and use simple past, present and future tense .</p> <ul style="list-style-type: none"> <li>● understand a picture story</li> <li>● be sensitised to the values of obedience and respect for elders</li> <li>● express personal views coherently and confidently</li> </ul>	
August	<p><b>1. Tartary (poem)</b></p> <p><b>2. Paragraph Writing</b></p>	<ul style="list-style-type: none"> <li>● understand a poem</li> <li>● enhance the literary appreciation of a poem through learning about imagery</li> <li>● think creatively and express opinions on the given topic</li> <li>● write a well structured paragraph, effectively and creatively</li> <li>● identify the different steps and important terms to remember in writing</li> <li>● organized their collected thoughts or ideas into a well written paragraph</li> </ul>	

	September	Revision	
	October	<p>1.A True Satyagrahi (poem)</p> <p>2.Tenses (continuous tenses)</p> <p>3. Articles</p> <p>4. Subject-Verb Agreement</p>	<ul style="list-style-type: none"> <li>● enjoy and appreciate the poem</li> <li>● comprehend the content of the poem</li> <li>● make inferences based on the comprehension of the poem.</li> <li>● apply the understanding of the poem to answer the questions.</li> </ul> <ul style="list-style-type: none"> <li>● define present, past and future continuous tense</li> <li>● recognize and use the present, past and future continuous tense</li> <li>● illustrate with examples the use of three forms of continuous tense</li> </ul> <ul style="list-style-type: none"> <li>● state the definition of an article</li> <li>● identify a definite and indefinite article</li> <li>● choose the proper type of article for a given noun</li> <li>● identify articles and use them correctly in a sentence</li> </ul> <ul style="list-style-type: none"> <li>● state the rules of Subject – Verb Agreement</li> <li>● construct their own sentences using correct Subject – Verb Agreement</li> <li>● explain the rules for subject-verb agreement</li> <li>● identify and correct errors in subject-verb agreement</li> </ul>
	November	<p>1.Don't Give Up (poem)</p> <p>2.Similes</p>	<ul style="list-style-type: none"> <li>● enjoy and appreciate the poem</li> <li>● comprehend the content of the poem</li> <li>● make inferences based on the comprehension of the poem.</li> <li>● apply the understanding of the poem to answer the questions.</li> </ul> <ul style="list-style-type: none"> <li>● define simile</li> <li>● compare and contrast the different types of similes</li> </ul>

		<p><b>3. Pronouns (Personal, Possessive and Emphasizing)</b></p>	<ul style="list-style-type: none"> <li>● identify similes in a text</li> <li>● state the definition of a pronoun</li> <li>● recognize pronouns and distinguish them from other parts of speech</li> <li>● distinguish between singular, plural, subject, and object pronouns</li> </ul>
December	<p><b>1.A Visit to Kaziranga (prose)</b></p> <p><b>2.Adjectives ( Descriptive/ Quality, Quantity, Number, Demonstrative)</b></p> <p><b>3.Degrees of Comparison</b></p> <p><b>4.The Second Voyage (prose)</b></p>	<ul style="list-style-type: none"> <li>● read and comprehend the story</li> <li>● summarise the story in your own words</li> <li>● acquire new vocabulary</li> <li>● analyse the elements plot in the story</li> <li>● correctly identify adjectives</li> <li>● explain the purpose and types of adjectives</li> <li>● create or select vivid adjectives to enhance their writing as they write and revise.</li> <li>● Use the positive, comparative and superlative degrees of regular and irregular adjectives</li> <li>● enjoy and appreciate a story in the fantasy/adventure genre</li> <li>● learn new words by making anagrams</li> <li>● speak imaginatively</li> <li>● identify stressed syllables and practice correct pronunciation</li> </ul>	
January	<p><b>1.Adverbs (Manner, Place, Time, Frequency, Degree)</b></p> <p><b>2.Birbal's Wit (play)</b></p>	<ul style="list-style-type: none"> <li>● develop a definition of the role/function of adverbs</li> <li>● articulate that adverbs modify verbs by telling how something is done, when something is done, where something is done</li> <li>● read and comprehend the play</li> <li>● summarise the play in your own words</li> </ul>	

		<p>3. Prepositions</p> <p>4. Conjunctions</p>	<ul style="list-style-type: none"> <li>● acquire new vocabulary</li> <li>● analyse the elements plot in the play</li> <li>● identify and define prepositions</li> <li>● demonstrate correct usage of prepositions</li> <li>● identify prepositions in text</li> <li>● use the correct preposition in a sentence</li> <li>● define the term 'conjunction'</li> <li>● explain the purpose of conjunctions</li> <li>● recognize and use conjunctions correctly in sentences</li> <li>● name the coordinating conjunctions</li> </ul>
	February	<p>1. Letter Writing (Informal Letters)</p> <p>• Revision</p>	<ul style="list-style-type: none"> <li>● identify the elements of a letter</li> <li>● apply the elements to compose a personal letter</li> </ul>

Hindi	Month	Chapter	Learning Outcomes The learners will be able to:
	April	<p>साहित्य: पाठ - नन्हा फ़नकार</p> <p>व्याकरण :</p> <p>वर्णमाला</p> <p>मात्राएँ</p>	<p>*कोई भी काम छोटा या बड़ा नहीं होता, समझेंगे।</p> <p>* वर्णों को मिलाकर शब्द बनाना सीखेंगे।</p> <p>* हिंदी भाषा को शुद्ध रूप में लिखना सीखेंगे।</p>

	अशुद्धि शोधन गिनती (1-३०) विलोम शब्द	<ul style="list-style-type: none"> <li>*हिंदी भाषा का शुद्ध उच्चारण और वाचन कर पाएँगे।</li> <li>* हिंदी अंकों को शब्दों में लिखना सीखेंगे ।</li> <li>* छात्रों के शब्द भंडार में वृद्धि होगी ।</li> </ul>
May	<p>साहित्य: पाठ - ईदगाह</p> <p>व्याकरण :</p> <ul style="list-style-type: none"> <li>* संज्ञा</li> <li>* अपठित गद्यांश</li> <li>* लिंग</li> <li>* चित्र - वर्णन</li> </ul>	<ul style="list-style-type: none"> <li>* जीवन में प्रेम और त्याग के महत्व को समझेंगे।</li> <li>* किसी भी चीज को व्यर्थ नहीं गँवाना चाहिए और हमें पैसे सोच समझकर खर्च करने चाहिए, जानेंगे।</li> <li>*संज्ञा शब्दों की पहचान कर पाएँगे।</li> <li>* अपठित गद्यांश का अर्थ समझेंगे और प्रश्न के अनुसार उत्तर देने में सक्षम होंगे।</li> <li>* छात्रों के शब्द भंडार में वृद्धि होगी।</li> <li>*अभिव्यक्ति कौशल और लेखन कौशल का विकास होगा।</li> </ul>
July	साहित्य: पाठ - जहाँ चाह वहाँ राह	<ul style="list-style-type: none"> <li>*मेहनत और मजबूत इच्छाशक्ति हो तो हम हर मुश्किल का सामना करते हुए प्रगति की राह पर जा सकते हैं।</li> </ul>

	<p>कविता - खिलौने वाला</p> <p>व्याकरण :</p> <ul style="list-style-type: none"> <li>* सर्वनाम</li> <li>* विराम चिह्न</li> </ul>	<ul style="list-style-type: none"> <li>* बुराई को खत्म कर अच्छाई के रास्ते पर चलना सीखेंगे।</li> <li>* सर्वनाम शब्दों की पहचान कर पाएँगे और विभिन्न सर्वनाम शब्दों में अंतर समझेंगे ।</li> <li>*भाषा में उचित विराम चिह्नों के प्रयोग के महत्व को समझेंगे ।</li> </ul>
August	<p>साहित्य: पाठ - राख की रस्सी</p> <p>व्याकरण :</p> <ul style="list-style-type: none"> <li>* सर्वनाम</li> <li>*अपठित गद्यांश</li> <li>* अनुच्छेद लेखन</li> <li>* वचन</li> </ul>	<ul style="list-style-type: none"> <li>*कठिन परिस्थितियों में हमें बुद्धिमानी और सूझबूझ से कार्य करना चाहिए, समझेंगे।</li> <li>* सर्वनाम शब्दों की पहचान कर पाएँगे और विभिन्न सर्वनाम शब्दों में अंतर समझेंगे ।</li> <li>* अपठित गद्यांश का अर्थ समझेंगे और प्रश्न के अनुसार उत्तर देने में सक्षम होंगे।</li> <li>*अभिव्यक्ति कौशल और लेखन कौशल का विकास होगा।</li> <li>* छात्र एक और अनेक में अंतर कर पाएँगे।</li> </ul>
September	<p>साहित्य: स्वामी की दादी</p> <p>व्याकरण :</p> <p>वर्ण विच्छेद</p>	<ul style="list-style-type: none"> <li>*कठिन शब्दों का ज्ञान होगा।</li> <li>* मानवीय मूल्यों का विकास होगा।</li> <li>*हर व्यंजन में 'अ' स्वर मिला होता है,</li> </ul>



			<p>जानेंगे।</p> <p>*शब्द के वर्णों को अलग - अलग करके लिखना सीखेंगे।</p>
October	<p>व्याकरण :</p> <ul style="list-style-type: none"> <li>* क्रिया</li> <li>* काल</li> <li>* विशेषण</li> <li>*संवाद लेखन</li> </ul>	<ul style="list-style-type: none"> <li>* काम के करने या होने का बोध कराने वाले शब्द क्रिया कहलाते हैं , जानेंगे ।</li> <li>* काल का अर्थ है समय, समझेंगे।</li> <li>* क्रिया के जिस रूप से काम के होने के समय का बोध हो, काल कहते हैं जानेंगे।</li> <li>* विशेषण शब्दों की पहचान कर पाएँगे।</li> <li>* विशेषण शब्द संज्ञा, सर्वनाम, क्रिया तथा अव्यय से बनते हैं , जानेंगे ।</li> <li>* लेखन कौशल का विकास होगा।</li> <li>* अपने भावों को अभिव्यक्त कर पाएँगे।</li> </ul>	
November	<p>साहित्य: कविता-गुरु और चेला</p> <ul style="list-style-type: none"> <li>* पाठ- बिशन की दिलेरी</li> </ul>	<ul style="list-style-type: none"> <li>*विभिन्न देशों की मुद्राओं से अवगत होंगे।</li> <li>*मानवीय मूल्यों का विकास होगा जैसे- त्याग, प्रेम, दूसरों की सहायता करना आदि।</li> </ul>	

	<p>व्याकरण :</p> <ul style="list-style-type: none"> <li>*पर्यायवाची शब्द</li> <li>*अपठित गद्यांश</li> </ul>	<ul style="list-style-type: none"> <li>* एक समान अर्थ वाले शब्द पर्यायवाची शब्द कहलाते हैं, जानेंगे।</li> <li>* अपठित गद्यांश का अर्थ समझेंगे और प्रश्न के अनुसार उत्तर देने में सक्षम होंगे।</li> </ul>
December	<p>साहित्य: पाठ- चिट्ठी का सफर</p> <p>व्याकरण :</p> <ul style="list-style-type: none"> <li>*मुहावरे</li> <li>* मात्राएँ</li> <li>* अनेक शब्दों के लिए एक शब्द</li> </ul>	<ul style="list-style-type: none"> <li>*पुराने जमाने की डाक व्यवस्था से परिचित होंगे।</li> <li>* पुराने जमाने में कबूतर को संदेशवाहक के रूप में प्रयोग किया जाता है था,जानेंगे।</li> <li>* मुहावरे भाषा को प्रभावशाली सुंदर एवं सशक्त बनाते हैं, समझेंगे।</li> <li>* मात्राओं का उचित प्रयोग करना सीखेंगे</li> <li>* 'वाक्यांश के लिए एक शब्द' का प्रयोग भाषा को सुगठित और सुंदर बनाता है, जानेंगे ।</li> </ul>
January	<p>साहित्य: पाठ - पानी रे पानी</p> <p>व्याकरण :</p> <ul style="list-style-type: none"> <li>*लिंग</li> <li>* वचन</li> </ul>	<ul style="list-style-type: none"> <li>* हमें पानी बर्बाद नहीं करना चाहिए और पानी का सदुपयोग करना चाहिए, समझेंगे।</li> <li>* छात्रों के शब्द भंडार में वृद्धि होगी ।</li> <li>* लिंग और वचन में अंतर कर पाएँगे।</li> </ul>

	February	<p>साहित्य: पाठ - चुनौती हिमालय की</p> <p>व्याकरण:</p> <p>* चित्र वर्णन</p> <p>(समस्त कार्य की पुनरावृत्ति)</p>	<p>* रास्ते की कठिनाइयों का सामना करते हुए हमें हिम्मत और साहस के साथ आगे बढ़ना चाहिए, समझेंगे ।</p> <p>* चित्र के अनुसार वाक्य लिखना सीखेंगे ।</p> <p>* वाक्य रचना करना सीखेंगे और अभिव्यक्ति कौशल का विकास होगा।</p>
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Maths	Month	Chapter	Learning Outcomes The learners will be able to:
	April	<p>1.Number and Numeration</p> <p>2.Addition and subtraction</p>	<ul style="list-style-type: none"> <li>● The learner will be able to read and write numbers bigger than 1000.</li> <li>● The learner can write the place value, face value of all digits in a number ( Indian system and International system)</li> <li>● Learner can round a number to the nearest 10,100 and 1000.</li> <li>● The learner will be able to apply operations of addition and subtraction number in daily life</li> <li>● Learner can apply their knowledge of addition and subtraction in their day to day life.</li> </ul>
May	3.	<ul style="list-style-type: none"> <li>● The learner can multiply and divide</li> </ul>	

	<p><b>Multiplication and division</b></p> <p><b>4. Simplification</b></p>	<p>two digit numbers .</p> <ul style="list-style-type: none"> <li>● The learner can list the properties of multiplication and division.</li> <li>● The learner can use their knowledge in computing and solving word problems.</li> </ul> <ul style="list-style-type: none"> <li>● The learner can apply the BODMAS rule to solve a mathematical statement involving four operations.</li> </ul>
July	<p><b>5. Lines and Angles</b></p> <p><b>6. Multiples and factors</b></p>	<ul style="list-style-type: none"> <li>● The learner can construct a line , a ray, a line segment of given length.</li> <li>● The learner can measure a given angle , he can construct an angle of given measure.</li> <li>● The learner can classify angles into 7 different types based on their measurements.</li> <li>● The learner can use the divisibility tests of 2,3,4,5,9,10 to calculate the divisibility of a number.</li> <li>● The learner can prime factorise a number by short division method.</li> <li>● The learner can calculate the HCF and LCM of a given set of numbers.</li> </ul>
August	<p><b>7. Fractions</b></p> <p><b>8. Patterns</b></p> <p><b>9. Time</b></p>	<ul style="list-style-type: none"> <li>● The learner can classify fractions as proper, improper and mixed fractions.</li> <li>● The learner can reduce a fraction to its lowest terms.</li> <li>● The learner can add and subtract unlike fractions.</li> <li>● The learner can identify the patterns in numbers, shapes and figures.</li> <li>● They can complete a given pattern.</li> <li>● The learner can convert the given time to higher units of time and vice versa.</li> <li>● The learner can add and subtract time.</li> <li>● The learner can convert the time in 12 hour clock to 24 hour clock and vice versa.</li> <li>● The learner can apply their knowledge to calculate the duration of events and solving word problems.</li> </ul>
September	<b>10. Decimal numbers</b>	<ul style="list-style-type: none"> <li>● The learner can add and subtract decimal numbers.</li> </ul>

			<ul style="list-style-type: none"> <li>● The learner can multiply and divide a decimal number with a whole number.</li> <li>● The learner can convert a fraction to decimal and vice versa.</li> </ul>
	October	11 . Average	<ul style="list-style-type: none"> <li>● The learner can calculate the average of a given set of numbers.</li> </ul>
	November	12. Metric measures.  13. Triangle s	<ul style="list-style-type: none"> <li>● The learner can convert higher units of metric measures (length, volume and weight) to lower units and vice versa</li> <li>● The learner can add and subtract metric measures.</li> <li>● The learner can name and classify triangles based on their sides.</li> </ul>
	December	14. Circles	<ul style="list-style-type: none"> <li>● The learner can construct a circle of given radius or diameter.</li> <li>● The learner can mark the centre, radius, chord, diameter and circumference of a circle.</li> </ul>
	January	15. Money  16 . Perimeter ,area, volume	<ul style="list-style-type: none"> <li>● The learner can add , subtract and multiply money.</li> <li>● The learner can calculate the profit and loss using the cost price selling price of a commodity.</li> <li>● The learner can calculate the perimeter , area of a square and a rectangle.</li> <li>● The learner can calculate the volume of a cube.</li> <li>● The learner can apply the knowledge of area and perimeter in solving word problems.</li> </ul>
	February	17 .Pictorial representa tion	<ul style="list-style-type: none"> <li>● The learner can collect data and represent it in a pictograph.</li> <li>● The learner can derive conclusions on the data by learning a pictograph.</li> </ul>

Science	Month	Chapter	Learning Outcomes The learners will be able to:
	April	1. Growing Plants	<ul style="list-style-type: none"> <li>● Identify parts of a seed.</li> <li>● Define terms like germination and seed dispersal.</li> <li>● List the different ways of seed dispersal.</li> <li>● Enumerate the different ways of growing plants.</li> </ul>

	May	<b>1. Animal world</b>	<ul style="list-style-type: none"> <li>● Define terms like environment and habitat.</li> <li>● Classify animals according to their eating habits, body covering and locomotion.</li> <li>● List the reasons for migration in animals and birds.</li> </ul>
		<b>1. Safety And First Aid</b>	<ul style="list-style-type: none"> <li>● Apply safety rules when at home, in school and on the road.</li> <li>● List the ways that can be followed to prevent fire.</li> <li>● Enumerate the first aid given for different kinds of injuries.</li> <li>● Recall the safety measures that should be taken to avoid accidents.</li> </ul>
	July	<b>1. Bones And Muscles</b>	<ul style="list-style-type: none"> <li>● Define terms like skeleton, bone marrow, vertebrae and ligament.</li> <li>● List the functions of the skeleton in the human body.</li> <li>● Differentiate between Immovable and Movable joints.</li> <li>● Understand the work of different kinds of muscles present in the human body.</li> </ul>
		<b>2. Food, Health And Hygiene</b>	<ul style="list-style-type: none"> <li>● Define a balanced diet and understand its importance.</li> <li>● List the essential nutrients and state their importance.</li> <li>● Enumerate the other factors affecting our health.</li> </ul>
August	<b>1. Food, Health And Hygiene (contd.)</b>	<ul style="list-style-type: none"> <li>● Differentiate between communicable and non-communicable diseases.</li> <li>● Recall the ways to maintain good health and hygiene.</li> </ul>	
		<b>2. Soil Erosion And</b>	<ul style="list-style-type: none"> <li>● Understand the importance of soil and soil conservation.</li> <li>● Enumerate the uses of soil.</li> </ul>

		<b>Conservation</b>	<ul style="list-style-type: none"> <li>● Define soil erosion and soil conservation.</li> <li>● List the different agents of soil erosion.</li> <li>● Understand the methods adopted to check soil erosion.</li> </ul>
<b>September</b>		<b>1. Nervous System</b>	<ul style="list-style-type: none"> <li>● Define nervous system, sense organs and reflex action.</li> <li>● Understand the working of the nervous system.</li> <li>● List the different kinds of nerves in the body and their function.</li> </ul>
<b>October</b>		<b>1. Nervous System (contd.)</b>  <b>2. Simple Machines</b>	<ul style="list-style-type: none"> <li>● Comprehend the parts of the brain and their function.</li> <li>● Enumerate the five sense organs and their importance in our body.</li> <li>● Define simple machines.</li> <li>● List the various simple machines used in our daily lives.</li> <li>● Classify these machines into lever, wedges, pulley and screw.</li> <li>● List the importance of these machines in our daily lives.</li> </ul>
<b>November</b>		<b>1. Air And Water</b>  <b>2. Volcanoes, Earthquakes And Tsunamis</b>	<ul style="list-style-type: none"> <li>● Define terms like atmosphere, humidity, evaporation and respiration.</li> <li>● Analyse the need of air, water and soil.</li> <li>● Understand the layers of atmosphere and their function.</li> <li>● List the properties of air.</li> <li>● Enumerate ways to prevent air pollution.</li> <li>● Differentiate between the various ways of purifying water.</li> <li>● Identify the various natural disasters like an Earthquake, a Volcano and a Tsunami.</li> <li>● Differentiate between active, dormant and extinct</li> </ul>

			<p>volcanoes.</p> <ul style="list-style-type: none"> <li>● Understand the terms lava, magma, epicentre and seismograph.</li> <li>● List the effects of an Earthquake.</li> <li>● Recall the reasons for the Japan earthquake 2011.</li> <li>● Appreciate the reasons - scientific, cultural and technological to study the Tsunami.</li> </ul>
	December	1. The Moon And Eclipses	<ul style="list-style-type: none"> <li>● Know about the moon's surface in detail.</li> <li>● Describe the different phases of the moon.</li> <li>● Define Eclipses - Lunar and Solar, Satellite.</li> <li>● Differentiate between lunar and solar eclipse.</li> <li>● Name the natural and artificial satellites.</li> <li>● Appreciate the various uses and functions of artificial satellites.</li> </ul>
	January	1. Rocks and Minerals	<ul style="list-style-type: none"> <li>● Classify rocks into Igneous, Sedimentary and Metamorphic rocks.</li> <li>● List the various igneous rocks and their uses.</li> <li>● Enumerate the sedimentary rocks and their sources.</li> <li>● List the various metamorphic rocks and their uses.</li> <li>● Appreciate the uses of rocks and minerals.</li> <li>● Recognize coal and petroleum as fossil fuels.</li> <li>● Understand the need to conserve natural resources.</li> </ul>
	February	Revision	

SS T	Month	Chapter	Learning Outcomes The learners will be able to:
	April	1. Continents and Oceans	<ul style="list-style-type: none"> <li>● define landmass, Isthmus, peninsula and coral reef.</li> <li>● list down the 7 continents and 5 oceans</li> </ul>



		<p><b>2. Globes and Maps</b></p> <p><b>3. Longitudes and Latitudes</b></p>	<ul style="list-style-type: none"> <li>● state the features of all the continents and oceans.</li> <li>● Differentiate between a globe and a map.</li> <li>● List the problems with the globe.</li> <li>● Define the three types of maps.</li> <li>● Explain how a scale helps in representing a place on a map.</li> <li>● Write the importance of colours in a map.</li> <li>● Define latitudes and longitudes.</li> <li>● List the important latitudes with their degrees.</li> <li>● Enumerate upon the important longitudes.</li> <li>● Calculate the difference between two latitudes.</li> <li>● Differentiate between latitudes and longitudes.</li> </ul>
<b>May</b>	<p><b>1. Rotation and Revolution</b></p> <p><b>2. Realms of the Earth</b></p>	<ul style="list-style-type: none"> <li>● Differentiate between the two movements of the earth.</li> <li>● Explain the occurrence of day and night.</li> <li>● Define leap year and give an example of a leap year.</li> <li>● Explain how seasons are caused.</li> <li>● define evaporation, condensation and precipitation.</li> <li>● Describe different layers in the lithosphere.</li> <li>● Enumerate the features of each realm of the earth.</li> <li>● Explain the importance of the</li> </ul>	

		biosphere.
July	<p>1. Climate zones of the earth</p> <p>2. Equatorial Climate</p>	<ul style="list-style-type: none"> <li>● define temperature, humidity and altitude.</li> <li>● differentiate between weather and climate.</li> <li>● enumerate upon the factors affecting weather and climate.</li> <li>● explain sea and land breeze with the help of a diagram.</li> <li>● define climate zone and list the three climate zones of the earth.</li> <li>● explain the heat zones of the earth and their climate with the help of a diagram.</li> <li>● define thunderstorm, diurnal range of temperature and canopy.</li> <li>● name the regions where equatorial forests are located.</li> <li>● list any five characteristics of equatorial climate.</li> <li>● describe in brief the flora and fauna of equatorial climate.</li> </ul>
August	Desert Climate	<ul style="list-style-type: none"> <li>● define erosion, sand dune, oases and nomad.</li> <li>● describe the vegetation of desert regions.</li> <li>● name the regions where deserts are located.</li> <li>● list any five characteristics of desert climate.</li> <li>● write about the way of living of desert people.</li> </ul>
September	● Revision	<ul style="list-style-type: none"> <li>● define continental type of farming and extensive farming.</li> </ul>

		<b>Temperate Climate</b>	<ul style="list-style-type: none"> <li>● name any five temperate grasslands and animal species found in the temperate regions.</li> <li>● describe the general features of temperate climate.</li> <li>● list the important features of temperate vegetation.</li> </ul>
<b>October</b>	<b>1. Frigid climate</b>		<ul style="list-style-type: none"> <li>● define iceberg, camouflage, habitat, harpoon and igloos.</li> <li>● write the average temperatures recorded in the Frigid zone.</li> <li>● Recognize Antarctica as the white continent..</li> <li>● list the characteristics of flora and fauna of the frigid zone.</li> <li>● appreciate the way of life of the inuit people.</li> </ul>
	<b>2. Important Acts by our Parliament</b>		<ul style="list-style-type: none"> <li>● define the terms constitution, amendment and exploitation.</li> <li>● state the reasons for adding new laws and amendments to the constitution.</li> <li>● appreciate the importance of RTE and RTI acts.</li> <li>● label the three levels of panchayat.</li> <li>● highlight the importance of domestic violence act.</li> </ul>
<b>November</b>	<b>First war of Independence</b>		<ul style="list-style-type: none"> <li>● define the terms diwani, cartridges, mutiny and exile.</li> <li>● name the leaders of Revolt of 1857.</li> <li>● list the consequences of the Anglo-French Wars.</li> <li>● state the reason of british becoming the supreme power in</li> </ul>

		<p><b>India.</b></p> <ul style="list-style-type: none"> <li>● explain in brief the main cause of Revolt 1857.</li> </ul>
<b>December</b>	<b>The Freedom Struggle</b>	<ul style="list-style-type: none"> <li>● list the incident that shaped Gandhi's thoughts in South Africa.</li> <li>● mention three early satyagrahas launched by Mahatma Gandhi.</li> <li>● explain the Jallianwallah Bagh massacre.</li> <li>● state the reasons for calling off the Non- cooperation movement.</li> <li>● explain the ideals of Mahatma Gandhi.</li> <li>● differentiate between the moderates and radicals.</li> <li>● describe all the incidents of dandi march.</li> </ul>
<b>January</b>	<b>The United Nations</b>	<ul style="list-style-type: none"> <li>● Name the five permanent members of the Security Council of the UN.</li> <li>● List the main objectives of the UN.</li> <li>● describe the functioning of the General Assembly.</li> <li>● Highlight the role of some important agencies of the UN.</li> <li>● enumerate the roles of the Security Council and ECOSOC.</li> <li>● explain the working of the organs of the UN.</li> <li>● appreciate the international days adopted by the UN.</li> </ul>
<b>February</b>	<p><b>Our Government</b></p> <ul style="list-style-type: none"> <li>● Revision</li> </ul>	<ul style="list-style-type: none"> <li>● Define the terms election and general election, democracy and government.</li> <li>● mention the three levels of the</li> </ul>

			<p>judicial hierarchy.</p> <ul style="list-style-type: none"> <li>● explain the three main organs of the government.</li> <li>● state the duties of the government at the union and state level.</li> <li>● gain awareness on the voting rights and learn about Universal adult franchise.</li> <li>● appreciate the way courts deliver justice in our country.</li> </ul>
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<u>Computer Science</u>	<u>Month</u>	<u>Chapter</u>	<u>Learning Outcomes</u>
	<u>The learners will be able to:</u>		
	April	1. Programming with Scratch	<ul style="list-style-type: none"> <li>● Elucidate how computers follow instructions.</li> <li>● Explain the concept of Computer Program</li> <li>● Define an Algorithm and write them</li> <li>● Create Scripts in Scratch by changing various sprites and backdrops.</li> </ul>
	May	1. Programming with Scratch	<ul style="list-style-type: none"> <li>● Define Scratch</li> <li>● List the facts about Scratch</li> <li>● Define the advantages of your Scratch</li> <li>● Create Scripts in Scratch by changing the costumes.</li> </ul>
	July	1. Programming with Scratch	<ul style="list-style-type: none"> <li>● Elaborate the various components of Scratch Interface</li> <li>● Create Scripts in Scratch as directed.</li> <li>● Recapitulate the concepts taught in previous classes.</li> </ul>
	August	1. Understanding the Software	<ul style="list-style-type: none"> <li>● Define software</li> <li>● Elaborate the types of Software</li> <li>● Describe an Operating System</li> </ul>
	September	1. Understanding the Software 2. Surfing the Internet	<ul style="list-style-type: none"> <li>● List the features of an Operating System</li> <li>● State examples of an OS</li> <li>● Recall and implement the concepts taught in Scratch to create scripts.</li> </ul>
	October	1. Surfing the Internet	<ul style="list-style-type: none"> <li>● Define Internet and its features</li> <li>● Elaborate the uses of Internet( Surfing, E-Mail, E-Commerce, E-learning, Video Conferencing, Net Phone, Chatting, Social Networking)</li> <li>● Create a basic presentation by applying themes</li> </ul>
	November	1. Surfing the	<ul style="list-style-type: none"> <li>● Recall the concepts taught in earlier classes</li> </ul>

	er	Internet	<ul style="list-style-type: none"> <li>● Explain about the History of Internet</li> <li>● Create a basic presentation by applying formatting features</li> </ul>
	December	1. Surfing the Internet	<ul style="list-style-type: none"> <li>● Describe WWW</li> <li>● Elaborate the requirements to access the Internet</li> <li>● Define the types of Broadband Connections</li> <li>● Create a basic presentation by applying formatting features</li> </ul>
	January	1. More on PowerPoint	<ul style="list-style-type: none"> <li>● Define MS PowerPoint</li> <li>● List the advantages of using MS PowerPoint</li> <li>● Identify and Name the component of MS PowerPoint Window</li> <li>● Enlist the three stages to create a presentation</li> <li>● Create a basic presentation by inserting pictures</li> </ul>
	February	1. More on PowerPoint 2. Surfing the Internet	<ul style="list-style-type: none"> <li>● Recapitulate the concepts taught in earlier classes</li> </ul>

Art	Month	Topic	Learning Outcomes The learners will be able to:
	April	1.Object Drawing (proportion and balance)  2.Pen Stand   3.Paper Peacock   4.Dream Scenery	<ul style="list-style-type: none"> <li>● Learn handling of 2B and 6B pencils.</li> <li>● Learn observation skills and eye-hand coordination.</li> <li>● Learn paper cutting, folding and pasting skills.</li> <li>● Improve their fine motor skills.</li> <li>● Learn paper cutting and folding skills.</li> <li>● Learn line drawing of peacock.</li> <li>● Develop visual sense of measurement and sense of proportion.</li> <li>● Learn drawing and painting techniques.</li> <li>● Create contrast on two dimensional surfaces.</li> <li>● Learn the use of opaque colours.</li> </ul>
	May	1. Paper Ornaments	<ul style="list-style-type: none"> <li>● Learn paper folding, cutting and pasting skills.</li> <li>● Develop assembling skills.</li> <li>● Develop visual sense of measurement.</li> </ul>

		<p><b>2. Madhubani Painting</b></p> <p><b>3. Paper Grasshopper</b></p>	<ul style="list-style-type: none"> <li>● -Learn traditional painting skills.</li> <li>● -Learn line drawing, use of bright and flat colours</li> <li>● -Learn the specific motive of this painting.</li> <li>● Learn proper paper folding technique.</li> <li>● Develop fine motor skills.</li> </ul>
July	<p><b>1.3D Paper Leaves</b></p> <p><b>2. Basic Tree Sketch</b></p> <p><b>3.Lion King Drawing</b></p> <p><b>4.Origami Turtle</b></p>	<ul style="list-style-type: none"> <li>● Learn proper paper folding and cutting skills.</li> <li>● Develop fine motor skills.</li> <li>● Learn the basic structure of a tree.</li> <li>● Learn to create thick and thin lines along with shading.</li> <li>● Learn line drawing of a lion.</li> <li>● Composing the landscape using oil pastels.</li> <li>● Learn blending of pastel colours.</li> <li>● Learn proper paper folding technique.</li> <li>● Develop fine motor skills.</li> </ul>	
August	<p><b>1.Traditional Art Form (Warli Painting)</b></p> <p><b>2.Flower Making with Crepe Paper</b></p>	<ul style="list-style-type: none"> <li>● Learn line drawing and geometrical forms.</li> <li>● Understand the origin of this folk art.</li> <li>● Learn proper paper folding, cutting and pasting skills.</li> <li>● Develop fine motor skills.</li> </ul>	
September	<p><b>1.Landscape (collage painting)</b></p> <p><b>2.Tie and Dye (on handkerchief)</b></p>	<ul style="list-style-type: none"> <li>● Learn about primary colours (red, blue and yellow) and secondary colours (orange, violet and green)</li> <li>● Improve their self confidence by directly using colours for creating the artwork.</li> <li>● Learn eye-hand coordination skill</li> <li>● Create different visual patterns on the handkerchief.</li> <li>● Develop designing sense.</li> <li>● Learn this new technique of designing fabrics.</li> </ul>	
October	<p><b>1.Composition (topic: Picnic)</b></p>	<ul style="list-style-type: none"> <li>● Learn pencil drawing skills.</li> <li>● Create a suitable composition using their creativity and imaginative skills.</li> </ul>	

		2. Clay work (making different animals)	<ul style="list-style-type: none"> <li>● Develop 3D effect on objects and animal forms .</li> <li>● Learn the tactile quality of both synthetic and natural clay.</li> <li>● Learn proportion for creating objects and animal form.</li> </ul>
November	1. Festival Activity (Diwali decorations)	2. Festival Card	<ul style="list-style-type: none"> <li>● Create different types of Diwali decorations.</li> <li>● Learn paper folding, cutting and pasting skills.</li> <li>● Learn various types of paper cutting, pasting and folding skills.</li> <li>● Learn drawing, painting and decorating techniques.</li> </ul>
December	1. Festival Activity (Christmas and New year decorations)	2. New Year's Card	<ul style="list-style-type: none"> <li>● Create different types of decorations.</li> <li>● Learn paper folding, cutting and pasting skills.</li> <li>● Learn various types of paper cutting, pasting and folding skills.</li> <li>● Learn drawing, painting and decorating techniques.</li> </ul>
January	1. Foil Craft	2. Composition (coloured) (topic: landscape etc.)	<ul style="list-style-type: none"> <li>● Create different forms using foil paper.</li> <li>● Learn handling and reshaping of foil paper.</li> <li>● Learn animal forms.</li> <li>● Learn drawing, painting and colouring skills.</li> <li>● Create a suitable composition using their creativity and imaginative skills.</li> <li>● -Learn the importance and use of organic products in our daily life.</li> <li>● Create paper bag reusing old newspapers.</li> </ul>
February	1. Stippling Art (using sketch pens)	2. Stencil work (paper and colour)	<ul style="list-style-type: none"> <li>● Learn the use of multicoloured pigments to create the composition.</li> <li>● Learn this type of painting technique.</li> <li>● Learn drawing and paper cutting skills.</li> <li>● Develop their sense of control and patience while using the tools.</li> </ul>

PHE	Month	Chapter	Learning Outcomes
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		The learners will be able to:
April	<p>Free Hand Ex</p> <p>Mark Time</p> <p>Flat Catch Orthodox Cup</p> <p>MATCH PRACTICE</p> <p>Rules and Regulations</p>	<p>1 Adopt and improve activity specific skills in a variety of individual pursuits Eg: Resistance Training Aerobics</p> <p>2 Adopt and improve activity specific skills a variety of games.</p> <p>3 Acquiring and developing skill</p> <p>4 Improve catching skills</p> <p>5 Improve co-ordination and agility</p>
May	<p>Flat catch Reverse Cup</p> <p>Ground Fielding</p> <p>RULES &amp; REGULATION</p> <p>MATCH PRACTICE</p>	<p>1. Apply and refine Locomotors Skills and concepts effort space and relationship to perform and create a variety of activities to improve Personal performance.</p> <p>2 Acquiring and developing skill</p> <p>3 Improve catching skills</p> <p>4 Improve co-ordination and agility</p> <p>5 To develop the throwing and catching precision, control and fluency skills to outwit the batters using these skills.</p>
July	<p>FREE HAND EXERCISE'S</p> <p>DRILL PRACTICE</p>	<p>1. DEVELOP MOTOR ABILITY SKILLS</p> <p>2. DEVELOP SENSE OF RHYTHM</p> <p>3. DEVELOP COORDINATION ABILITY</p>

	<p><b>CE (SPORTS DAY)</b></p> <p><b>ATHLETICS SELECTION (SPORTS DAY)</b></p> <p><b>ZIG-ZAG DRIBBLING (FOOTBALL)</b></p> <p><b>FLAT LOW CATCH (CRICKET)</b></p> <p><b>RULES &amp; REGULATION</b></p> <p><b>MATCH PRACTICE</b></p>	<p>4. To be know and understand how to catch each delivery correctly in order to gain an advantage.</p> <p>5. To be able to perform the skill of catching each type of delivery and how it can be used to outwit the batters. To incorporate catching into a small game</p> <p>6. To develop the throwing and catching precision, control and fluency skills to gain an advantage.</p>
<b>August</b>	<p><b>FREE HAND EXERCISE'S</b></p> <p><b>DRILL PRACTICE (SPORTS DAY)</b></p> <p><b>ATHLETICS SELECTION (SPORTS DAY)</b></p>	<p>1 Develop Strength</p> <p>2 Develop flexibility</p> <p>3. Develop equilibrium</p> <p>4. Demonstrate proper etiquette and good sportsmanship</p> <p>5. Discuss issues related to positive athletic / active living role.</p> <p>6. Demonstrate etiquette and fair play.</p> <p>7. To use a variety of throw</p>

		<p><b>HIGH CATCH (CRICKET)</b></p> <p><b>FLAT CATCH (CRICKET)</b></p> <p><b>RULES &amp; REGULATION</b></p> <p><b>MATCH PRACTICE</b></p>	<p>and catches and skills</p>
	September	<p><b>Football</b></p> <p><b>I Dribbling and Zig Zag Dribbling</b></p> <p><b>Push Pass</b></p> <p><b>Rules and regulations</b></p> <p><b>MATCH PRACTICE</b></p>	<p><b>1 To be able to show basic control skills including sending and receiving the ball.</b></p> <p><b>2 To dribble in different directions using different parts of their feet.</b></p> <p><b>3 To implement the basic rules of football.</b></p> <p><b>4 Demonstrate proper etiquette and good sportsmanship</b></p>
	October	<p><b>SELECTION OF SPORTS DAY EVENT</b></p> <p><b>PUSH PASS (FOOTBALL)</b></p> <p><b>FRONT FOOT</b></p>	<p><b>1 To send the ball with some accuracy to maintain possession and build attacking play.</b></p> <p><b>2 To Pass for distance To Evaluate skills to aid improvement.</b></p> <p><b>3 To develop a range of skills to use in isolation and in a competitive context</b></p>

		<p><b>DEFENCE (CRICKET)</b></p> <p><b>FRONT FOOT DRIVE (CRICKET)</b></p> <p><b>RULES &amp; REGULATION</b></p>	<p><b>4 To use basic skills with more consistency including striking a batting.</b></p> <p><b>5 To be able some of the basic rules of cricket</b></p> <p><b>6 Demonstrate proper etiquette and good sportsmanship</b></p>
	<b>November</b>	<p><b>FULL SPORTS DAY PRACTICE</b></p> <p><b>DRIBBLING (BASKETBALL)</b></p> <p><b>FREE SHOT (BASKETBALL)</b></p> <p><b>SHOOTING (FOOTBALL)</b></p> <p><b>RULES &amp; REGULATION</b></p> <p><b>MATCH PRACTICE</b></p>	<p><b>1 Children also learn how to cope in a competitive environment as well as learning all about winning and losing; these are important life skills to assimilate in preparation for the working environment.</b></p> <p><b>2 Understand basic basketball rules, terminology, and safety concerns.</b></p> <p><b>3 Demonstrate the six basic basketball skills of running, jumping, passing, catching, dribbling, and shooting.</b></p> <p><b>4 Demonstrate the ability to perform team offensive and defensive skills and strategies.</b></p> <p><b>5. Understand and apply the knowledge of basic rules of basketball.</b></p> <p><b>6. Demonstrate proper etiquette and good sportsmanship.</b></p>
	<b>December</b>	<b>FORWARD</b>	<b>1 To link together a range of skills and use in</b>

		<b>DEFENCE (CRICKET)</b> <b>FORWARD DRIVE (CRICKET)</b> <b>GAME SITUATION RULES &amp; REGULATION</b> <b>MATCH PRACTICE</b>	<b>combination</b> <b>2 To collaborate as a team to choose, use and adapt rules in games.</b> <b>3 To recognise how some aspects of fitness apply to cricket e.g. power, flexibility and cardiovascular endurance</b> <b>4 To use a range of tactics for attacking and defending in role of bowler, batter and fielder</b>
	<b>January</b>	<b>CIRCUIT TRAINING</b> <b>FUN GAMES</b> <b>ASSESSMENT OF SKILLS</b> <b>RULES &amp; REGULATION</b> <b>MATCH PRACTICE</b>	<b>1 Aims at continuous professional development for all professionals belonging to different backgrounds.</b> <b>2 Participants acquire practical skills and thorough understanding of the basics of adult learning theory.</b> <b>3 Will help the participants to develop the approaches to identify the needs of the learners as per their skill set, develop their own resources and then design a training program accordingly.</b> <b>4. Develop and demonstrate mastery of training and facilitation through multiple practice deliveries and individualized feedback and analysis.</b>
	<b>February</b>	<b>FREE</b>	<b>1 Improved memory</b>

		<b>HAND EXERCISE'S</b>	<b>capacity</b>
		<b>FUN GAME</b>	<b>2 Motivates and engages students</b>
		<b>CHEST PASS (BASKETBALL)</b>	<b>3 Better hand-eye coordination</b>
		<b>RULES &amp; REGULATION</b>	<b>4 Opportunities for skill-building</b>
		<b>MATCH PRACTICE</b>	<b>5 Stimulates faster strategic thinking &amp; problem-solving:</b>