

ASN International School
MAYUR VIHAR - I

SESSION – 2022-2023

SYLLABUS

FOR

CLASS V

INDEX

SL. NO.	SUBJECT
1.	English
2.	Hindi
3.	Science
4.	Mathematics
5.	Social Science
6.	Computer
7.	General Knowledge
8.	Art & Craft

ENGLISH

Learning Outcomes:

Prose: The learner will be able to

- read aloud with appropriate pronunciation and pause.
- read texts in English with comprehension i.e. identify the main idea, details, sequence and draw conclusion.
- express orally his/her opinion/understanding about the story and characters in the story.
- develop the skills for listening to the prose form of writing.
- use the active vocabulary words in sentences of their own.
- comprehend the text and answer the factual, inferential, referential and evaluative questions.
- develop HOTS (Higher Order Thinking Skills) and answer extrapolative questions.
- perform in role play/ skit in English with appropriate expressions.

Poem: The learner will be able to

- state the central idea of the poem.
- write the summary of the poem.
- recite poems individually/in groups with correct pronunciation and intonation.
- appreciate the poem and enjoy its rhythm and language.
- comprehend the poem and answer the factual, inferential, referential and evaluative questions.

Grammar: The learner will be able to

- identify the various parts of speech which are important for effective communication.
- use meaningful short sentences in English, orally and in writing using different parts of speech.
- use punctuation such as question mark, full stop, exclamation mark and capital letters appropriately.

Creative writing: The learner will be able to

- generate simple sentences using active vocabulary and appropriate grammatical structures.
- write sentences in English on personal experiences/events using verbal or visual clues.
- compose short narrative paragraphs to describe daily activities or past events using chronological order.
- develop a topic sentence and supporting sentences to write a paragraph on a familiar topic.

Books Prescribed:

- New Pathways Course Book 5 (Oxford University Press)
- Jolly Grammar Pupil Book 5
- Macmillan Graded Handwriting Series 5
- Animal Stories (Story Book)

Suggested Reading:

- The Magic of the Lost Temple by Sudha Murty
- Oddbird by Anupa Lal
- George's Marvellous Medicine by Roald Dahl
- Mystery of the Falling Mountains by Nilima Sinha
- Crazy Times with Uncle Ken by Ruskin Bond

Month	Literature	Grammar	Reading	Writing	Activity
April & May	Unit -5-Jaldi's Gift Poem - L-Plates on My Football Shirt	Sentences, Nouns	Comprehension	Paragraph & Leave Application	Unit -5- Speaking-Persuasion Poem - Knowing Football Facts
July	Unit -6 - Sir Lawley's Ghost Poem - Block City	Verbs, Tense- Simple Present and Present Continuous Tense.	Comprehension	Paragraph	Unit -6 - Speaking - Role Play: Creating Dialogue Poem-Engineering paper building blocks
August	Unit 7 - Raoul the Owl	Pronouns,	Comprehension	Paragraph	Unit -7 -Speaking- Asking for information Poem-Practicing Homographs

	Poem-Hints on Pronunciation for Foreigners (Read & Enjoy)	Tense-Simple Past and Past Continuous Tense.			
September	Unit 1-The Crystal Cave Unit -3- Colourful Shoes (Pleasure Reading)	Adjectives, Tense- Simple Future and Future Continuous Tense	Comprehension	Paragraph	Unit - 1 - Speaking- Making Suggestions Unit-3-Speaking - Talking about people's qualities
October	Unit- 4 - The Boy Who Saved Holland Poem-Ice Golawalla	Articles	Comprehension	Paragraph	Unit - 4 - Speaking-Discussing news Poem-Think similes
November	Unit -8- Grandpa's Tree Poem- The Clothes Line	Adverbs	Comprehension	Informal Letter Writing	Unit -8 - Speaking-Agreeing and disagreeing Poem-Poem imagery
December	Unit -10- On the Yellow Brick Road	Prepositions	Comprehension	Paragraph	Unit -10- Listening - Identifying tones
January & February	Unit -9- My Life Unit-2- My Early Days with the Chimpanzees (Pleasure Reading)	Conjunctions	Poem Comprehension	Paragraph	Unit -9- Speaking- Making polite conversation Unit-2- Speaking- Discussing likes and dislikes

हिंदी

निर्धारित पुस्तकें :

- रिमझिम-भाग 5
- ज्ञान सरोवर – भाग 5
- व्याकरण-भाग 5
- बिखरे मोती –भाग 5

अधिगम सम्प्राप्ति

गद्य

- विद्यार्थी गद्य को पढ़कर या सुनकर सोचने, समझने कल्पना करने तथा प्रतिक्रिया देने हेतु प्रोत्साहित होते हैं।

- शब्द भंडार में वृद्धि होती है। वे नए शब्दों के प्रति जिज्ञासा व्यक्त करते हैं और उनके अर्थ का समझने हेतु शब्दकोश का प्रयोग कर पाते हैं।
- अलग-अलग सामाजिक स्थितियों में बात करने व अभिनय द्वारा प्रस्तुति से विद्यार्थियों में आत्मविश्वास विकसित होता है।
- कहानी विधा के माध्यम से प्रेम, वीरता, साहस, परोपकार आदि मानवीय गुणों का उपयोग करना सीखते हैं एवं वास्तविक जीवन की स्थितियों पर विचार करके अन्य लोगों की भावनाओं के प्रति समझ विकसित होती है।
- विभिन्न विधाओं को पढ़कर पाठ्य वस्तु के आधार पर दैनिक जीवन की परिस्थितियों का विश्लेषण करते हैं तथा अपनी तार्किक प्रतिक्रिया प्रकट करते हैं।

पद्य

- छात्रों में कविता पठन हेतु रुचि जागृत करते हुए उनमें भावों को ग्रहण करने और रसास्वादन करने की क्षमता का विकास होता है।
- विद्यार्थियों में एकल या सामूहिक रूप से शुद्ध उच्चारण, सटीक हाव-भाव और लय-ताल सहित काव्यपाठ करने की क्षमता विकसित होती है।
- वे कविता में निहित भाव को अपने परिवेश से जोड़कर देख पाते हैं।
- स्वयं कविता लिखने की प्रेरणा प्राप्त करते हैं। कविता के मूल भाव को समझने में सक्षम होते हैं।
- भाषा की बारीकियों का लिखित प्रयोग करने हेतु कविता के शब्दों को बदलकर अर्थ ग्रहण कर पाते हैं।

व्याकरण

- व्याकरण के नियमों के अनुसार भाषा की सभी व्याकरणिक इकाइयों की पहचान कर पाते हैं।
- विद्यार्थी शब्दों का सही क्रम, समुचित वाक्य विन्यास व स्वर के उचित आरोह-अवरोह से युक्त मानक भाषा का प्रयोग करते हैं।
- विभिन्न विषयों, उद्देश्यों को लिखते समय समस्त विकारी (संज्ञा, सर्वनाम, क्रिया आदि) और अविकारी शब्दों (क्रियाविशेषण, संबंधबोधक, समुच्चयबोधक आदि) का व्यावहारिक जीवन में सफलतापूर्वक प्रयोग करते हैं।
- अपने लेखन में विराम चिह्नों एवं मुहावरे युक्त भाषा को समझकर उसका सटीक उपयोग कर पाते हैं।
- समानार्थक व विपरीतार्थक शब्दों का विभिन्न संदर्भों में प्रयोग कर पाते हैं।
- उपसर्ग और प्रत्यय का ज्ञान प्राप्त करके नए शब्दों की रचना करने में सक्षम होते हैं।

रचनात्मक

- बच्चे अपनी कल्पना शक्ति का प्रयोग करके अर्थपूर्ण वाक्य बनाते हैं।
- अपठित गद्यांश व काव्यांश को पढ़कर उसके अर्थ एवं मुख्य भाव को समझकर उचित निष्कर्ष निकाल सकते हैं और विचारों तथा घटनाओं को क्रमानुसार लगाने में समर्थ होते हैं।
- मौखिक और लिखित अभिव्यक्ति के विविध पहलुओं की पहचान करके सभी भाषायी कौशलों का विकास करते हैं।
- निर्णय लेने की क्षमता तथा स्मरण शक्ति में वृद्धि होने के कारण वे अपने विचारों को बेझिझक व सहज ढंग से अभिव्यक्त करते हैं।
- चिंतन, मनन , आंगिक सम्प्रेषण एवं चित्रावलोकन द्वारा सफल भावाभिव्यक्ति की क्षमता का विकास होता है

माह	पाठ का नाम	व्याकरण	पठन	रचनात्मक	गतिविधियाँ
अप्रैल— मई	रिमझिम पाठ 11 चावल की रोटियाँ पाठ 3 खिलौने वाला (कविता) पाठ 2 फसलों के त्योहार (केवल पठन हेतु) ज्ञान सरोवर (स्वाध्ययन) पाठ 1 लालच का फल पाठ 2 चाँदी की टोकरी पाठ 3 अद्भुत पाषाण बिखरे मोती पृष्ठ संख्या 5–10 ग्रीष्मावकाश गृहकार्य बिखरे मोती पृष्ठ संख्या 11–24	पाठ 1 भाषा, लिपि एवं व्याकरण पाठ 3 संज्ञा प्रार्थना पत्र पर्यायवाची शब्द 1–20 विलोम शब्द 1–25	अपठित गद्यांश	अनुच्छेद—लेखन	नाट्य मंचन (चावल की रोटियाँ) आपके मोहल्ले/बाज़ार में फेरी लगाने वालों में से किसी एक का अभिनय करके दिखाइए।
जुलाई	रिमझिम पाठ 4 नन्हा फनकार पाठ 13 स्वामी की दादी (केवल पठन हेतु) ज्ञान सरोवर (स्वाध्ययन) पाठ 4 शांति की खोज में पाठ 5 पर्वतारोही आहलूवालिया की आत्मकथा बिखरे मोती पृष्ठ संख्या 25–34	पाठ 2 वर्ण एवं शब्द वाक्यांश 1–20	अपठित गद्यांश		क्ले से घंटियाँ बनाकर उस पर टूथपिक से अपना मनपसंद डिज़ाइन बनाइए।

अगस्त	रिमझिम पाठ 16 पानी रे पानी पाठ 17 छोटी सी हमारी नदी (कविता) पाठ 18 चुनौती हिमालय की (केवल पठन हेतु) ज्ञान सरोवर (स्वाध्ययन) पाठ 6 फ्यूंली पाठ 7 खिलाड़ी की अपनी कहानी बिखरे मोती पृष्ठ संख्या 35-44	पाठ 4 सर्वनाम मुहावरे 1-5		अनुच्छेद लेखन	पानी की समस्या या बचत से संबंधित नारे चित्र सहित लिखिए। चार्ट पर चित्रों द्वारा नदी का सफर दर्शाइए।
सितंबर	रिमझिम पाठ 9 एक माँ की बेबसी (कविता) पाठ 5 जहाँ चाह वहाँ राह ज्ञान सरोवर (स्वाध्ययन) पाठ 8 मनुष्य का मूल्य पाठ 9 रानी लक्ष्मीबाई बिखरे मोती पृष्ठ संख्या 45-54	पाठ 5 विशेषण पर्यायवाची शब्द 21-40 मुहावरे 6-10	अपठित गद्यांश		माँ का चित्र बनाकर या चिपकाकर स्वरचित कविता लिखिए। किसी विकलांग व्यक्ति के जीवन परिचय व उपलब्धियों को दर्शाते हुए एक पी. पी. टी. बनाइए।
अक्टूबर	रिमझिम पाठ 1 राख की रस्सी पाठ 14 बाघ आया उस रात (कविता) पाठ 15 बिशन की दिलेरी (केवल पठन हेतु) ज्ञान सरोवर (स्वाध्ययन) पाठ 10 बहादुर हवाबाज़ पाठ 11 नेताजी सुभाष चंद्र बोस बिखरे मोती पृष्ठ संख्या 55-64	पाठ 6 क्रिया विलोम 26-50 उपसर्ग 1-10		अनुच्छेद लेखन	तिब्बत की वेशभूषा, खान-पान, त्योहार, नृत्य आदि से संबंधित चित्रों द्वारा कोलाज तैयार कीजिए। पोस्टर (बाघ बचाओ)
नवंबर	रिमझिम पाठ 10 एक दिन की बादशाहत पाठ 6 चिट्ठी का सफर (केवल पठन हेतु) ज्ञान सरोवर (स्वाध्ययन) पाठ 12 अनोखा दंड पाठ 13 सच्चा भाई	पाठ 7 अविकारी शब्द मुहावरे 11-15	अपठित गद्यांश		बड़ों के पास अनेक अधिकार होते हैं। इसी आधार पर परिवार के किसी एक सदस्य की मिमिक्री करते हुए एक वीडियो बनाइए।

दिसंबर	रिमझिम पाठ 12 गुरु और चेला (कविता) पाठ 8 वे भी क्या दिन थे (केवल पठन हेतु) ज्ञान सरोवर (स्वाध्ययन) पाठ 14 दो ठग पाठ 15 चंद्रतल पर मनुष्य के कदम	पाठ 8 विराम चिह्न प्रत्यय 1-10 बधाई पत्र		अनुच्छेद लेखन	कविता को चित्र सहित कहानी रूप में लिखिए। ऑनलाइन या ऑफलाइन पढ़ाई के तरीके में से आपको कौन-सा तरीका अच्छा लगा और क्यों ? अनुच्छेद लिखिए।
जनवरी	रिमझिम पाठ 7 डाकिए की कहानी , कँवरसिंह की जुबानी (केवल पठन हेतु) ज्ञान सरोवर (स्वाध्ययन) पाठ 16 बुद्धि बड़ी या विद्या? पुनरावृत्ति	वर्तनी की सामान्य अशुद्धियां अनेकार्थक 1-20	अपठित पद्यांश		
फरवरी					

SCIENCE

Textbook: New Eureka Plus - Bringing science to life

Resource book: Talent and Olympiad

Months	Lessons	Learning Objectives	Hands on Activities/Experiments and STEAM	Assignments in workbook
<p>April and May</p>	<p>L-2: Food, Health and Diseases</p> <p>L-3: Matter</p>	<p>SWBAT:</p> <ul style="list-style-type: none"> · Understand the meaning of nutrients · Learn about the importance of different nutrients and a balanced diet · State some good eating habits for proper digestion · Know about communicable, non-communicable, deficiency diseases and vaccination · Outline the importance of outdoor games and exercises to keep ourselves healthy <p>SWBAT:</p> <ul style="list-style-type: none"> · Define matter to understand its meaning · Know about molecules and atoms · Understand the differences between molecules and atoms · Understand the arrangement of molecules of solid, liquid and gases · Explain the behaviour of molecules on heating and 	<p>Art activity:</p> <ul style="list-style-type: none"> · Scrap File Activities on types of nutrients · Presentation on food groups using videos, ppt etc <p>STEAM:</p> <ul style="list-style-type: none"> · Experiments on Physical Changes and Chemical Changes, soluble and insoluble substances <p>Art Activity:</p> <ul style="list-style-type: none"> · Scrap File Activity on arrangements of molecules 	<p>L-4: Human Body - Food and Health</p> <p>L-8: Matter</p>

		<p>cooling a substance</p> <ul style="list-style-type: none"> · Understand about physical and Chemical changes 		
July	L-8: Our skeletal system	<p>SWBAT:</p> <ul style="list-style-type: none"> · Recall the systems. · Identify the parts of the skeleton. · Label the parts of the skeleton. · Differentiate the functions of different parts of the skeleton. · Describe the types of joints · Identify and locate the different kinds of movable joints · Recognize the importance of joints to the body · Appreciate the role of muscles in moving the body. · Define and distinguish ligaments and tendons · Explain the contraction and relaxation of the muscles · Discuss the importance of good posture and proper nutrition for the proper · maintenance of the bones and muscles <p>SWBAT:</p> <ul style="list-style-type: none"> · Recall the types of animals which live in the soil along with uses of the soil. · Enlist the constituents of soil to know about the matter 	<p>STEAM:</p> <ul style="list-style-type: none"> · Model making of vertebrates and invertebrates with the help of clay, stick etc · Group presentation on joints <p>Art integrated activity:</p> <ul style="list-style-type: none"> · Scrap File Activity -Showing the different layers of soil using seeds,grains etc · Showing experiments on soil formation and erosion using sand water etc 	L-3: Human Body - bones and muscles

August	<p>L-4: Soil Erosion and Conservation</p> <p>L-13: Our environment and pollution</p>	<p>present in the soil.</p> <ul style="list-style-type: none"> · Understand why is soil important for all living being. · Explain the steps of soil formation in order to know how rocks changed into soil. · Illustrate various agents of soil erosion. · Identify methods of Soil Conservation to prevent soil erosion. · Appreciate the need for soil conservation · Create the mind map on Soil erosion and ways of soil conservation to develop <p>Critical thinking.</p> <p>SWBAT:</p> <ul style="list-style-type: none"> • Recall the meaning of environment. • Explain causes and effects of air, water and soil. • Enlist the measures to reduce various types of pollution. • Illustrate environment friendly practices in day to day living. • Create web chart on biodegradable and non biodegradable waste. 	<p>Art Integrated Activity:</p> <ul style="list-style-type: none"> · Making PPT on types of pollution · Role Play on types of pollution · Scrap File Activity on Biodegradable and Non bio degradable wastes 	<p>L-5 : Soil</p> <p>L-6 : Air,Water,Weather</p>
September	L -9: Our	SWBAT:	Art integrated activity	

	<p>Nervous System</p> <p>L-13 Our Environment and Pollution</p>	<ul style="list-style-type: none"> · Recall the structure and functions of nervous system · Understand the brain and its functions · Learn about the spinal cord and its functions · Learn about reflex action and give examples · Identify the different sense organs and their functions · Appreciate the importance of taking care of different sense organs · Appreciate the complex processes involved in seemingly simple actions of the human body · List the ways of taking care of sense organs 	<ul style="list-style-type: none"> · Making model of brain using clay,different colours · Scrap File Activity -Paste cut-out of sense organs and write the ways of caring them 	
<p>October</p>	<p>L-6: Animals everywhere</p>	<p>SWBAT:</p> <ul style="list-style-type: none"> · Know the habitat of animals · Understand the feeding habits of animals · Understand the movement of animals and correlate the body structure of animals with their movement. · Identify the organs that help animals breathe · Appreciate with wonder how animals migrate · Differentiate between aquatic and terrestrial animals 	<p>Art Integrated activity</p> <ul style="list-style-type: none"> · Scrap File Activity – Paste pictures of different breathing organs and organs to move of different groups of animals · Roleplay on different habitats 	<p>L-2 : Animal Life</p>

	Sun, Moon and Earth	<ul style="list-style-type: none"> · Relate the formation of day and night with the rotation of the earth · Change of seasons with the revolution of the earth. · Distinguish between: Solar and Lunar eclipse. · Know about the phases of the moon. · Explain the life on the moon. · Understand the moon and the tides · Appreciate the launch of artificial satellites, their uses and space facts. · Acknowledge some achievements in the field of Space Technology and probe by India. 	<ul style="list-style-type: none"> · Showing experiments on · Eclipses using globe ,torch etc · Make PPTS on Astronauts 	
January	L-10: Simple Machines	<p>SWBAT:</p> <ul style="list-style-type: none"> · Recall the effects of force to know the changes in position of the objects. · Identify when work is said to be done by applying force to know it is done only when the object moves on applying force. · Explain the significance of Inclined plane in daily life to know how they work. · Differentiate between the three classes of levers based on the position of effort and load in order to understand how they work. classify the different types of machines to understand their uses. Understand how work can be made easier using these simple machines to know its preference over manual work. 	<p>STEAM:</p> <ul style="list-style-type: none"> · Making models of simple machines using waste materials available at home · Group presentation <p>On simple machines</p> <p>Available at home .</p>	L-9 : Force, Work and Energy

February	L-5 : Rocks and Minerals	<ul style="list-style-type: none"> · Know about different types of simple machines and its uses · Understand how work can be made easier using these simple machines. <p>SWBAT:</p> <ul style="list-style-type: none"> · Learn about the types and formations of rocks · Know what is meant by minerals · Understand that gemstones are minerals · Learn about metallic and non-metallic minerals · Learn about the uses of minerals and rocks. 	<p>Art Integration:</p> <ul style="list-style-type: none"> · Paste pictures of different monuments made up of different types of rocks. · Display and presentation of different types of rocks present at home. 	
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Maths

Books prescribed : Perfect Maths - 5

Talent & Olympiad - Resource Book

I Semester (April – September)

Month	Topic	Learning Outcomes	Activities
April	Unit -1 Large Numbers Resource Book Ch-1 Large Numbers	SWBAT <ul style="list-style-type: none"> ● Read and write 7- and 8- digit numbers that are being used in his /her surroundings. ● Identify the place and period of a digit in a number to read large numbers easily ● Differentiate between place value and face value of a digit in a number to understand the value of a digit at a particular place ● Write the number in expanded form and standard form in order to apply the knowledge and write numbers in different forms ● Read and write large numbers using international system and compare Indian and international number system and will be able to co relate them using their knowledge ● Compare large numbers and arrange them in ascending or descending order ● Round the numbers to the nearest 10,100 and 1000 in order to estimate quantities ● Read and write Roman numerals from 1 to 100 ● Connect and apply the knowledge of large numbers to real life situation 	<ul style="list-style-type: none"> ● Roman Numeral Cards ● Comparing the Continents ● Smart chart with nutrition facts (Integrated project)(Circle chart)
May	Unit -2 Addition & Subtraction Unit-3 Multiplication & Division	SWBAT <ul style="list-style-type: none"> ● To work through situations involving addition, subtraction, multiplication and division in order to develop an understanding of arithmetic operations and techniques ● Perform different operations on large numbers ● Develop an understanding of the properties of addition, subtraction, multiplication and division in order to progress towards basic concepts in arithmetic ● Identify the operation and solve the word problems ● Explore relationship between different operations ● Apply the skills of four operations to solve story sums related to everyday life involving one or more combinations of four operations 	<ul style="list-style-type: none"> ● Tambola ticket activity based on four basic operations ● Magic behind 1089 ● Four Operations- Apply the skills
July	Unit – 7 Application of Four Operations	SWBAT <ul style="list-style-type: none"> ● Describe terms related to money transactions 	<ul style="list-style-type: none"> ● Role play on Profit and Loss

	<p>Unit – 4 Factors and Multiples Resource Book</p> <p>Ch- 2 Factors and Multiples</p>	<ul style="list-style-type: none"> ● Identify the impact profit or loss can have on a business ● Find the profit or loss if cost price and selling price are given ● Interpret the given data to solve the word problems to find selling price and cost price ● Describe unit price of an item ● Calculate the cost of one item and then find the cost of required number of items ● Calculate the average of given numbers <p>SWBAT</p> <ul style="list-style-type: none"> ● Develop an understanding of the terms factors and multiples and acknowledge its properties ● perform the tests of divisibility in order to identify the divisors of a number ● find the factors and identify the numbers as prime or composite ● break the number into prime factors using prime factorisation ● Develop an understanding of the term highest common factor (HCF) and to find it using different methods ● Find the multiples of a number and then the common multiples of two or more numbers ● Develop an understanding of lowest common multiple (LCM) and find it using different methods. ● Solidify their understanding by exploring relationship between HCF and LCM ● Connect and apply the knowledge of HCF and LCM to real life situation in order to demonstrate the learning of the concept. 	<ul style="list-style-type: none"> ● Find the LCM of two numbers using squared lined paper ● Find the HCF using coloured paper strips
August	<p>Unit – 5 Fractions Resource Book</p> <p>Ch-3 Fractions</p>	<p>SWBAT</p> <ul style="list-style-type: none"> ● Recapitulate and understand better the term fractions and type of fractions in order to engage students with everyday use of fractions ● Correctly recognize and find equivalent fractions ● Apply the concept of equivalent fraction in order to reduce the fraction to its lowest term 	<ul style="list-style-type: none"> ● Show Equivalent fraction using paper strips ● Fractions-Dare to Compare

		<ul style="list-style-type: none"> ● Compare like and unlike fractions and arrange them in ascending / descending order ● Recognize that only an improper fraction greater than one can be converted to a mixed number and convert improper fractions into mixed numbers and vice versa ● Analyse each word problem to identify the given information and in order to apply the correct operation on fractions. ● Learn the correct procedures in order to add , subtract , multiply and divide fractions ● Apply strategies to solve problems and use fractions in real life situations . 	
September	Unit – 10 Geometry Unit-12 Shapes, Nets & Symmetry Resource Book Chapter-6 Geometry	SWABT <ul style="list-style-type: none"> ● Identify, define and describe basic geometrical figures like point, line, line segment, ray. ● develop aesthetic sense by discovering symmetries in different geometrical shapes ● observe different angles around them and analyse how angles are used in the world around ● Identify different types of angles and name them. ● Explain that protractor is a tool to measure and construct angles in order to build angles of different measures. ● To learn how to draw 3-D objects in 2-D and learn about views of solid shapes ● To form nets of different solid shapes ● To explain rotational symmetry and reflection symmetry 	<ul style="list-style-type: none"> ● Identifying the angles in different letters ● Forming different types of angles by paper folding ● Create solid shape using Nets

II Semester (October – March)

Month	Topic	Learning Outcomes	Activities
October	Unit – 6 Decimals Resource Book Ch-4 Decimals	<p>SWBAT</p> <ul style="list-style-type: none"> ● Develop an understanding of the term decimals in order to write numbers less than one ● Place decimal numbers in the place value chart to understand the place value of each digit in the decimal part ● Read and write decimal numbers and identify the purpose of using them ● Recognize that writing a decimal with a zero in the ones place helps us remember that the number is less than one. ● Relate fractions and decimals and express fractions as decimals and vice versa ● Develop an understanding of equivalent decimals in order to understand that writing one or more zeroes to the right of the last digit of a decimal does not change its value. ● Differentiate between like and unlike decimals ● Convert unlike decimals into like decimals in order to arrange the numbers in columns and add or subtract easily ● Compare and order the decimal numbers in order to solve open ended problems ● Arrange decimal numbers in columns using place value to add and subtract decimal numbers ● Multiply decimal numbers by whole numbers ● Divide decimal numbers by whole numbers ● Analyse each problem to identify the given information ● Apply the knowledge of decimal numbers to solve word problems depicting real life situations 	<ul style="list-style-type: none"> ● Decimal Sort ● Representing Decimal number on a grid paper
November	Unit – 8 Measurement Unit-9 Time & Temperature Resource book Ch-8 Measurement	<p>SWBAT</p> <ul style="list-style-type: none"> ● Describe the terms length, mass and capacity in order to use the appropriate units of measurement. ● Convert different units of length, mass and capacity from bigger to smaller and vice - versa 	<ul style="list-style-type: none"> ● Measure and Record- measuring weight and height ● Finding Elapsed time

		<ul style="list-style-type: none"> ● Use decimals to represent and carry out simple operations in metric measures. ● Add and subtract different units of measurement ● Solve word problems depicting real life situations in order to realize the importance of measurement in their daily life. ● To convert hours and minutes into seconds and vice versa ● To add and subtract time and learn how to find the starting time and finishing time ● To develop an understanding of the concept temperature ● To learn about Celsius and Fahrenheit scales 	
December	<p>Unit – 11 Perimeter , Area and Volume Unit-14 Mapping Skills</p> <p>Resource book Ch-7 Mensuration</p>	<p>SWBAT</p> <ul style="list-style-type: none"> ● Differentiate between perimeter and area in order to understand that perimeter is the length of the boundary whereas area is the amount of surface enclosed by a closed figure ● Identify the situations where to find perimeter or area to apply their knowledge in real life situations ● Find the perimeter of different figures made up of line segments in order to understand perimeter as length of the boundary of a closed figure. ● Derive formulas to find the perimeter and area of square and rectangle for better retention of concepts ● Solve the word problems based on area and perimeter depicting real life situations. ● Describe volume as amount of space occupied ● Find the volume by counting the number of cubes which leads them onto thinking what to do if the cubes cannot be seen ● Calculate volume of cube and cuboid using formulas and solve word problems depicting real life situations ● Understand maps, locations and directions ● learn about the four directions 	<ul style="list-style-type: none"> ● Design your room- Exploring Perimeter and Area ● Area and Perimeter Robots

		<ul style="list-style-type: none"> learn how to read maps and understand the key and scale given in maps 	
January	Unit -13 Data Handling Resource Book Ch-9 Data Handling	SWBAT <ul style="list-style-type: none"> Collect, record and interpret data Define data, line graph, title, label, scale, point and line. Read and interpret the information given in bar graph, line graph , tally chart and circle graph. Recognize that circle graphs provide a visual presentation of the whole and its parts. Read and interpret the given data and answer the related questions 	<ul style="list-style-type: none"> Representing the maximum and minimum temperature of different cities on a Bar graph
February	Revision for Annual Examination		

SOCIAL STUDIES

Learning Objectives:

- They will be able to investigate about our planet, its movements, Imaginary lines etc.
- They will be able to distinguish between weather, climate, and its factors.
- They will be able to identify timelines and historical movements.
- They will illustrate government, its formation and Indian Judiciary.
- They will be able to construct knowledge about UN, its organs and agencies.

PRESCRIBED BOOKS:

- 1) My Wonderful book of Social Studies—CORDOVA
- 2) Workbook of Social Studies.

MONTH	CHAPTER	ACTIVITIES	ASSIGNMENT
April - May	L-1 Maps And Guides L-2 Parallels And Meridians L-3 Movements of the Earth-Their Effects L-14 Staying Healthy	<ul style="list-style-type: none"> To Construct the web chart on oceans and continents Diagram of important parallels and Meridians List five specialist doctors and their field of specialization. Activity-How to calculate Leap Year Map Work: <ol style="list-style-type: none"> (a) Location of continents and oceans on world map (b) Location of latitudes and prime meridian on world map 	Assignment 01 Know your Planet Assignment 02 Parallels and Meridians Assignment 16 Be Healthy, Live longer

		(c) Location of Tropic of Cancer passing through different states of India.	
July	L- 6 Weather and Climate L- 7 The Equatorial Region L-11 Our Environment L-12 Environmental Pollution	<ul style="list-style-type: none"> ● Newspaper activity based on climate ● Diagram of the heat zones of the earth ● Project based on depicting meanders of river Congo ● Activity on effects of various types of environmental pollution. ● Make a colorful poster on benefits of Climate-Smart Ecosystem. 	Assignment 05 Weather and climate Assignment 06 The land of dense forest Assignment 10 E for Environment Assignment 11 Environmental Pollution
August	L-4 Major Landforms L-8 The land of sands L-9 The Land Of Snow And Ice	<ul style="list-style-type: none"> ● Activity on The Journey Of River ● Paste pictures of animals found in snow regions ● Model of Igloo using cotton ● Activity based on desert scene ● Map Work: Location of Greenland 	Assignment 03 Major landforms Assignment 07 Land of Snow Assignment 08 Deserts of the world
September	L- 10 The Treeless Grasslands L-17 Transport	<ul style="list-style-type: none"> ● Map Work:Locating major grasslands of the world ● Draw pictures related to different means of transport ● Map Work: Showing Suez canal and Panama canal, International Airports 	Assignment 09 The Treeless Grasslands Assignment 13 Conquering Distances
October	L-15 Communicating Through Writing L-16 Let's Keep In Touch L -22 The United Nations	<ul style="list-style-type: none"> ● Write your name in five different languages ● Draw different types Of Communication ● Draw Symbols Of Organs and Agencies of The UN ● Cut out interesting advertisements and make an attractive collage ● Draw and color symbols of UN agencies ● Newspaper activity based on UN ● Make a web chart of different organs and agencies of UN 	Assignment 15 Knowledge is power Assignment 14 Keeping in Touch Assignment 21 The United Nations
November	L-19 Struggle Towards Freedom L-20 India Wins Freedom	<ul style="list-style-type: none"> ● Make a collage of Freedom Fighters Map Work Centers of revolt of 1857 Activity on life sketch on Your favorite leader ● Make a collage on Republic Day Celebration 	Assignment 18 Towards Freedom Assignment 19 India Wins Freedom
December	L-18 They make us Proud L-21 Governing Ourselves	<ul style="list-style-type: none"> ● Group discussion based on great people and their stories ● Draw symbols of different political parties ● Paste pictures of current President , Prime Minister and council of ministers. 	Assignment 17 We are proud of them Assignment 20 Governing Ourselves
January	L-5 Natural Resources L-13 Natural Disasters	<ul style="list-style-type: none"> ● Project on Natural Disaster ● Poster Making on 'Save Energy' 	Assignment 4 Natural Resources

			Assignment 12 Natural Disasters
February	REVISION		

COMPUTER

Prescribed Book:

Computer basics and coding with AI - 5

MONTH	TOPIC	Learning Outcomes	ASSIGNMENT
April	Ch-1 History of Computers	SWBAT <ul style="list-style-type: none"> ● Know history of Computers ● Explain classification of Computers on the basis of size, speed, storage capacity and cost ● Differentiate between generations of Computer 	<input type="checkbox"/> Excel- Prepare a marksheet using functions SUM, AVERAGE, MAX, MIN Sorting the data Powerpoint
May	Ch-2 Microsoft Word	SWBAT <ul style="list-style-type: none"> ● Create a table, Format a table, Insert a picture, Calculations in a table ● Apply border and shading in a table 	<input type="checkbox"/> Mail Merge Sending invitation to friends for birthday party
July	Ch-3 Getting started with Coding Ch-4 Repeat and Wait	SWBAT <ul style="list-style-type: none"> ● What is coding ? block coding, ● Scratch tool ● Blocks - moving/ turning a sprite / talking/ changing costume ● Repeat, Forever block, Repeat Until / Wait 	<input type="checkbox"/> Sending invitation to friends for birthday party Create a Project
August	Ch- 5 Sensing Ch-6 Conditional Coding	SWBAT <ul style="list-style-type: none"> ● What is Sensing ? ● How to sense colour touching ? ● How to score? ● If-then-block ● If-then-else block ● Wait until - block 	<ul style="list-style-type: none"> ● Apple Catching game ● Making a game with score
September	Revision & Practical Exam		

October	Ch- 7 Drawing Backdrops	SWBAT <ul style="list-style-type: none"> ● AI in How to start a backdrop ● Backdrop Editor ● Drawing a simple backdrop 	<input type="checkbox"/> Maze game
November	Ch-8 AI in everyday life Ch-9 Starting with AI Connect	SWBAT <ul style="list-style-type: none"> ● Use AI in different sectors ● Graphic design, Basic Python ● Know What is AI Connect? ● Applications of AI-Connect ● How to start with AI-Connect? 	<input type="checkbox"/> Making a Story/Scene
December	Ch- 10 Values & Conversion Ch-11 Math Operators	SWBAT <ul style="list-style-type: none"> ● Using the Editor ● What is turtle? ● Know Types of Values ● Input blocks and commands ● Print Block Command , Conversion blocks ● Mathematical Operators 	<ul style="list-style-type: none"> ● Creating different shapes with Tutle
January	Ch-12 Loops Ch-13 Solving word Problems using code	SWBAT <ul style="list-style-type: none"> ● What are Loop? For Loop, Repeat Until 	<input type="checkbox"/> Solving different problems using code
February	<ul style="list-style-type: none"> ● REVISION ● Practical Exam & Viva 		

GENERAL AWARENESS

LEARNING OBJECTIVES:

- 1) The students will be able to learn about India, its political and physical divisions.
- 2) The children will be able to focus on the understanding of India's varied culture and diversity.
- 3) The students will be able to develop healthy food habits.
- 4) The students will be able to sense the importance and relevance of Unity in Diversity.
- 5) The children will be able to learn the art of Fun with Learning.

Prescribed Book:

Know for sure – Siddhartha Basu

<u>MONTH</u>	<u>CHAPTER</u>	<u>ACTIVITIES</u>
April - May	The World Around Us	1) Paste the pictures of famous personalities who have made India proud.
July	The Natural World	1) Newspaper activity on plants and animals. 2) Poster making on 'Save Environment'.
August	Science and Technology	1) Draw a 'Food Pyramid' 2) Cut and paste pictures of any four yoga asanas.
September	Things around me	1) Design a poster on 'Swachh Bharat Abhiyaan'..
October	Numbers and logical skills	1) Do Sudoku from the newspaper
November	Art and Culture	1) Make any showpiece from waste material. 2) Make one video of singing any bhajan.
December	Sports	1) Newspaper activity on different sports.
January	Mixed Bag	1) Practice any five Palindromes. (Eg: Jalaj) 2) Solve a word maze in the newspaper.
February	Current Affairs	1) Calligram making.

ART & CRAFT

Book Prescribed:

- Craft & Colours-5

Month		Topic	Learning Outcomes
April	Patterns and textures Colouring with oil pastels (Craft & Colours Book Activity) Page no-3 to 12	<ul style="list-style-type: none"> ● Page No-3(Pattern) ● Page No-4(Texture)) ● Page No-5(Step-By-Step) ● Page No-6 (Texture colouring) ● Page No-7(Colouring) ● Page No-8(Rangoli Design) ● Page No-9 (Sponge Impression) 	<ul style="list-style-type: none"> ● acquire knowledge of basic elements and principles of Art- Line, Form, Shapes, Texture through different activities. ● recognize and evaluate basic elements of art like colour, line, form, texture etc. ● recognize and evaluate different forms like colour strippling.

		<ul style="list-style-type: none"> ● Page No-10(Eraser Sketching) ● Page No-11(Texture Designing) ● Page No-12(Sand Painting) 	
May	Craft & Colours Book Activity) Page no-13 to 23	<ul style="list-style-type: none"> ● Page No-13(texture) ● Page No-14,15(Stencil shading) ● Page No-16(Leaf Impression) ● Page No-17(Knife Painting) ● Page No-19(Decorative items) ● Page No-20, 21,23(Colouring) 	<ul style="list-style-type: none"> ● analyse the importance of colours in our life. ● produce creative work using different colour densities, textures etc. ● develop the art of observation and expression using light and dark colour tones. ● comprehend the art of balancing colours in a painting. ● enhance imaginative skills and produce creative works using different patterns. ● develop creative artistic skills using sand and different techniques of colouring
July	Indian art & Different art forms (Art File Activity)	<ul style="list-style-type: none"> ● Phad Painting ● Santhal Painting ● African Art-figure drawing ● Poster on Road Safety 	<ul style="list-style-type: none"> ● engage with the knowledge of our rich cultural heritage through Indian Art. ● understand the art of detailing involved in Indian Art. ● brainstorm ideas on various themes to be incorporated in Indian Art ● demonstrate the importance of sequencing in art through original creative works ● incorporate natural beauty in their art with the help of leaves and other natural products involved in Indian Art.
August	(Art File Activity)	<ul style="list-style-type: none"> ● Mandala Art(Beauty of Tri Colour) ● Tri colour Craft ● Drawing on Jananasthmi ● Abstract Art(Lord Ganesha) 	<ul style="list-style-type: none"> ● develop imaginative power and express their thoughts using colours. ● recognize and evaluate the difference between primary, secondary, cold and warm colours ● develop the art of observation and expression using light, medium and dark colour tones.
September	Poster Making (Art File)	<ul style="list-style-type: none"> ● Poster-save our environment ● Poster on-save trees ● Poster -save animals ● Poster on save energy 	<ul style="list-style-type: none"> ● construct original art by visualizing things and situations. ● enhance thinking skills by visualizing various situations and using art to express them. ● express thoughts through poster making in tune with our social and environmental issues.portray thoughts through slogans. ● devise solutions and create awareness with posters. ● develop problem solving skills by brainstorming solutions to various problems while creating art

October	Festival Drawing (Art File Activity)	<ul style="list-style-type: none"> ● Festival drawing ● Dusshere Drawing ● poster-say no to crackers ● Rangoli Making 	<ul style="list-style-type: none"> ● enhance motor skills while decorating their piece of art with focus on little details.
November	Learn different colouring activities (Craft & Colours Book Activity)	<ul style="list-style-type: none"> ● Page No-22 (Patterns) ● Page No-24(Tangram Shapes) ● Page No-25(Vegetable Printing) ● Page No-26(Different Techniques) ● Page No-27(String Art) ● Page No-28(Paper Folding) ● Page No-29(Pencil Shading) ● Page No-30(Paper Craft) 	<ul style="list-style-type: none"> ● enhance imaginative skills and produce creative works using different techniques of pencil shading. ● Acquire the skill of appreciating the beauty of art with various tones of dark and light shading. ● evelop creative artistic skills using different techniques of craft. ● connect with art and develop aesthetic sense through Origami. express mathematical concepts with Origami using geomagnetic shapes like triangles, rectangles etc
December	(Craft & Colours Book Activity)	<ul style="list-style-type: none"> ● Page No-32(Blotting) ● Page No-33(Tonal value) ● Page No- 34,35(Craft) ● Page No-36(Paper Craft) ● Page No-37(Gift Box) ● Page No-38(Paper Cutting) ● Page No- 39(Origami) ● Page No-40(Air Blow Painting) ● Page No- 42(Paper Craft) 	<ul style="list-style-type: none"> ● enhance motor skills through paper craft. ● develop creative artistic skills using different techniques of craft. ● connect with art and develop aesthetic sense through ornament making. ● develop creative artistic skills using clay and different techniques of craft. ● express ideas and thoughts with blow painting and create their own objects. ● enhance motor skills through paper craft.
January	Compositions (Art File Activity)	<ul style="list-style-type: none"> ● Winter scene with snow man ● drawing on five elements ● Garden scene 	<ul style="list-style-type: none"> ● acquire the ability to clearly communicate the content, concept, context through various technical skills involved in art. ● progress towards developing consistent images through observation.
February	Poster Making (Art File Activity)	<ul style="list-style-type: none"> ● Poster on Stop Pollution ● Poster on Save Water 	<ul style="list-style-type: none"> ● express thoughts through poster making in tune with our social and environmental issues. ● portray thoughts through slogans. ● develop problem solving skills by brainstorming solutions to various problems while creating art. ● enhance vocabulary and conceptual skills required to express beauty through art. ● develop creative skills and aesthetic sense with Poster Making.