

*ASN Senior Secondary School*

MAYUR VIHAR - I



**SESSION – 2021-2022**

**SYLLABUS**

**FOR**

**CLASS V**

# INDEX

SL. NO.	SUBJECT	PAGE NO.
1.	English	
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## 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.

**Paragraph Writing:** The learner will be able to

- generate simple sentences containing learned vocabulary and using 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 Mulberry English Course 5 (Oxford University Press)
- Assignment Book of Grammar 5 (Workbook)
- Macmillan Graded Handwriting Series 5
- School Stories by Paro Anand

### **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
- The Adventures of Stoob: Testing Times by Samit Basu

<b>Month</b>	<b>Literature</b>	<b>Grammar</b>	<b>Reading</b>	<b>Writing</b>	<b>Activity</b>
April & May	Unit -1-Mukesh Starts a Zoo  Unit -2- The Wizard of Hockey (Pleasure Reading)	Sentences, Nouns	Comprehension	Paragraph Writing on 'Health and Fitness', Picture Composition & Leave Application	Unit -1-Speaking about 'Going to a Zoo'  Unit -2 - Interviewing a famous personality.
July	Poem – My Books  Unit -5 – Adventures of a Nepali Frog (Pleasure Reading)	Verbs, Tense- Simple Present and Present Continuous Tense.	Comprehension	Paragraph Writing	Descriptive sentences using Similes and Metaphors. Unit -5 - Asking and answering questions about a town and a village.

August	Unit 4-Nasreddin Hoca  Unit 7-The Big Friendly Giant (Pleasure Reading)	Pronouns, Tense-Simple Past and Past Continuous Tense.	Comprehension	Paragraph Writing on 'Each One, Plant one'	Unit 4 -Speaking Asking questions starting with 'Have you ever...?' Unit 7-The Adjective Chain Game
September	Poem- Circus Elephant  Unit -6 – Everybody's Water (Pleasure Reading)	Adjectives, Tense- Simple Future and Future Continuous Tense	Comprehension	Paragraph Writing	Speaking-Discussing life of animals in a zoo and a circus. Unit 6 - Picture story
October	Unit 9-Red Eye  Poem-Paper Boats (Read & Enjoy)	Articles	Comprehension	Paragraph Writing	Unit 9 -Speaking A short narrative about relationship with brothers and sisters. Concrete Poems
November	Poem – Louder Than a Clap of Thunder Unit -10 – Black Beauty (Pleasure Reading)	Adverbs	Poem Comprehension	Informal Letter Writing	Hyperbole Activity with Illustrations. Unit -10 Listening to a paragraph and answering questions
December	Unit 8– Rip Van Winkle  Poem – Abou Ben Adhem (Read & Enjoy)	Prepositions	Poem Comprehension	Paragraph Writing on 'A Trip to Space'	Unit 8-Speaking An account of what schools in 2050 might be like. Poem Appreciation
January	Unit 3- Ashraf's Invention Unit -11 – Art is for Everyone (Pleasure Reading) Poem-From a Railway Carriage (Read and Enjoy)	Conjunctions	Poem Comprehension	Paragraph Writing	Speaking- Unit 3- Talking about feelings. Unit 11- Dialogue Speaking  Writing a rhyming poem.

## हिंदी

निर्धारित पुस्तकें :

रिमझिम—भाग 5

अमृत संचय – सुभद्रा कुमारी चौहान

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 को 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 लने 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 3 खिलौने वाला (कविता) पाठ 11 चावल की रोटियाँ पाठ 2 फसलों के त्योहार (केवल पठन हेतु)  अमृत संचय पाठ 1 ग्रामीणा पाठ 2 रूपा	पाठ 1 भाषा, लिपि एवं व्याकरण  पाठ 3 संज्ञा  प्रार्थना पत्र  पर्यायवाची शब्द 1–20  विलोम शब्द 1–25	अपठित गद्यांश	अनुच्छेद—लेखन	आपके मोहल्ले/बाज़ार में फेरी लगाने वालों में से किसी एक का अभिनय करके दिखाइए।  नाट्य मंचन (चावल की रोटियाँ)
जुलाई	रिमझिम पाठ 4 नन्हा फनकार पाठ 13 स्वामी की दादी (केवल पठन हेतु) अमृत संचय पाठ 3 मँझली रानी पाठ 4 दो सखियाँ	पाठ 2 वर्ण एवं शब्द  वाक्यांश 1–20	अपठित गद्यांश		क्ले से घंटियाँ बनाकर उस पर टूथपिक से अपना मनपसंद डिज़ाइन बनाइए।

	बिखरे मोती पृष्ठ संख्या 5-14				
अगस्त	रिमझिम पाठ 16 पानी रे पानी पाठ 17 छोटी सी नदी हमारी (कविता) पाठ 18 चुनौती हिमालय की (केवल पठन हेतु) अमृत संचय पाठ 5 बिआहा बिखरे मोती पृष्ठ संख्या 15-24	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 माँ की बेबसी (कविता) पाठ 5 जहाँ चाह वहाँ राह अमृत संचय पाठ 6 हींगवाला बिखरे मोती पृष्ठ संख्या 25-34	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।

अक्तूबर	रिमझिम पाठ 1 राख की रस्सी पाठ 14 बाघ आया उस रात (कविता) पाठ 15 बिशन की दिलेरी (केवल पठन हेतु) अमृत संचय पाठ 7 कैलाशी नानी बिखरे मोती पृष्ठ संख्या 35-44	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) अमृत संचय पाठ 8 ताँगेवाला बिखरे मोती पृष्ठ संख्या 45-54	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) अमृत संचय पाठ 9 गौरी बिखरे मोती पृष्ठ संख्या 55-64	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

जनवरी	रिमझिम पाठ 7 डाकिए की कहानी , कँवरसिंह की जुबानी (केवल पठन हेतु) अमृत संचय पाठ 10 मछुए की बेटी	वर्तनी की सामान्य अशुद्धियां अनेकार्थक 1-20	अपठित गद्यांश	और क्यों ? अनुच्छेद लिखिए।
फरवरी	पुनरावृत्ति			

### SCIENCE

**Books prescribed : Eureka Plus by Dr. JM D'Souza and Dr. Kirti J D'Souza**

**Resource Book : Talent and Olympiad Class 5 by Brain Mapping Academy**

Months	Lessons	Learning Objectives
April and May	L-52: Food , Health and Diseases	<p>SWBAT:</p> <ul style="list-style-type: none"> <li>• Understand the meaning of nutrients</li> <li>• Learn about the importance of different nutrients and a balanced diet</li> <li>• State some good eating habits for proper digestion</li> <li>• Know about communicable, non-communicable ,deficiency diseases and vaccination</li> <li>• Outline the importance of outdoor games and exercises to keep ourselves healthy</li> </ul> <p>SWBAT:</p> <ul style="list-style-type: none"> <li>• Define matter to understand its meaning</li> <li>• Know about molecules and atoms</li> </ul>

	L-3: Solids,Liquids and Gases	<ul style="list-style-type: none"> <li>• Understand the differences between molecules and atoms</li> <li>• Understand the arrangement of molecules of solid, liquid and gases</li> <li>• Explain the behaviour of molecules on heating and cooling a substance</li> <li>• Understand about physical and Chemical changes</li> </ul>
July	L-7: Bones and Muscles	<p>SWBAT:</p> <ul style="list-style-type: none"> <li>• Recall the systems.</li> <li>• Identify the parts of the skeleton.</li> <li>• Label the parts of the skeleton.</li> <li>• Differentiate the functions of different parts of the skeleton.</li> <li>• describe the types of joints</li> <li>• identify and locate the different kinds of movable joints</li> <li>• recognize the importance of joints to the body</li> <li>• Appreciate the role of muscles in moving the body.</li> <li>• define and distinguish ligaments and tendons</li> <li>• explain the contraction and relaxation of the muscles</li> <li>• discuss the importance of good posture and proper nutrition for the proper</li> <li>• maintenance of the bones and muscles</li> </ul>
August	<p>L-11: Soil Conservation</p> <p>L-8:Saving our environment</p>	<p>SWBAT:</p> <ul style="list-style-type: none"> <li>• Recall the types of animals which live in the soil along with uses of the soil.</li> <li>• Enlist the constituents of soil to know about the matter present in the soil.</li> <li>• Understand why is soil important for all living being.</li> <li>• Explain the steps of soil formation in order to know how rocks changed into soil.</li> <li>• Illustrate various agents of soil erosion.</li> <li>• Identify methods of Soil Conservation to prevent soil erosion.</li> <li>• Appreciate the need for soil conservation</li> <li>• Create the mind map on Soil erosion and ways of soil conservation to develop Critical thinking.</li> </ul> <p>SWBAT:</p> <ul style="list-style-type: none"> <li>• Recall the meaning of environment.</li> <li>• Explain causes and effects of air, water and soil.</li> <li>• Enlist the measures to reduce various types of pollution.</li> <li>• Illustrate environment friendly practices in day to day living.</li> <li>• Create web chart on biodegradable and non biodegradable waste.</li> </ul>

September	L -8: Nervous System	<p>SWBAT:</p> <ul style="list-style-type: none"><li>• Recall the structure and functions of nervous system</li><li>• Understand the brain and its functions</li><li>• Learn about the spinal cord and its functions</li><li>• Learn about reflex action and give examples</li><li>• Identify the different sense organs and their functions</li><li>• Appreciate the importance of taking care of different sense organs</li><li>• Appreciate the complex processes involved in seemingly simple actions of the human body</li><li>• List the ways of taking care of sense organs</li></ul>
October	L-2: Animals and their lifestyle	<p>SWBAT:</p> <ul style="list-style-type: none"><li>• Know the habitat of animals</li><li>• Understand the feeding habits of animals</li></ul>



January	L-9:Simple Machines	<p>SWBAT:</p> <ul style="list-style-type: none"> <li>• Recall the effects of force to know the changes in position of the objects.</li> <li>• Identify when work is said to be done by applying force to know it is done only when the object moves on applying force.</li> <li>• Explain the significance of Inclined plane in daily life to know how they work.</li> <li>• 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.</li> <li>• Know about different types of simple machines and its uses</li> <li>• Understand how work can be made easier using these simple machines.</li> </ul>
February	L-6 : Rocks and Minerals	<p>SWBAT:</p> <ul style="list-style-type: none"> <li>• Learn about the types and formations of rocks</li> <li>• Know what is meant by minerals</li> <li>• Understand that gemstones are minerals</li> <li>• Learn about metallic and non metallic minerals</li> <li>• Learn about the uses of minerals and rocks.</li> </ul>

### Maths

**Books prescribed : Wonder Math (Book A and Book B)**

**Talent & Olympiad : Resource Book**

**Reasoning Trainer**

**I Semester ( April – September)**

<b>Month</b>	<b>Topic</b>	<b>Learning Outcomes</b>
April	<p><b>Unit -1 Large Numbers</b> <b>Resource Book</b></p> <p>Ch-1 Large Numbers</p>	SWBAT

		<ul style="list-style-type: none"> <li>• Read and write 7- and 8- digit numbers that are being used in his /her surroundings.</li> <li>• Identify the place and period of a digit in a number to read large numbers easily</li> <li>• Differentiate between place value and face value of a digit in a number to understand the value of a digit at a particular place</li>   <li>• Write the number in expanded form and standard form in order to apply the knowledge and write numbers in different forms</li> <li>• 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</li> <li>• Compare large numbers and arrange them in ascending or descending order</li> <li>• Round the numbers to the nearest 10,100 and 1000 in order to estimate quantities</li> <li>• Read and write Roman numerals from 1 to 100</li> <li>• Connect and apply the knowledge of large numbers to real life situation</li> </ul>
<b>May</b>	<b>Unit -2 Four Operations Together</b>	<p>SWBAT</p> <ul style="list-style-type: none"> <li>• To work through situations involving addition , subtraction, multiplication and division in order to develop an understanding of arithmetic operations and techniques</li> <li>• Perform different operations on large numbers</li> <li>• Develop an understanding of the properties of addition , subtraction ,multiplication and division in order to progress towards basic concepts in arithmetic</li> <li>• Identify the operation and solve the word problems</li> <li>• Explore relationship between different operations</li> <li>• Apply the skills of four operations to solve story sums related to everyday life involving one or more combinations of four operations</li> </ul>

<p><b>July</b></p>	<p><b>Unit – 10 Unitary Method , Profit and Loss</b></p> <p><b>Unit – 5 Factors and Multiples Resource Book</b></p> <p>Ch- 2 Factors and Multiples</p> <p><b>Reasoning Trainer</b></p> <p>Ch -1 Break the code</p>	<p><b>SWBAT</b></p> <ul style="list-style-type: none"> <li>• Describe terms related to money transactions</li> <li>• Identify the impact profit or loss can have on a business</li> <li>• Find the profit or loss if cost price and selling price are given</li> <li>• Interpret the given data to solve the word problems to find selling price and cost price</li> <li>• Describe unit price of an item</li> <li>• Calculate the cost of one item and then find the cost of required number of items</li> </ul> <p><b>SWBAT</b></p> <ul style="list-style-type: none"> <li>• Develop an understanding of the terms factors and multiples and acknowledge its properties</li> <li>• perform the tests of divisibility in order to identify the divisors of a number</li> <li>• find the factors and identify the numbers as prime or composite</li> <li>• break the number into prime factors using prime factorisation</li> <li>• Develop an understanding of the term highest common factor (HCF) and to find it using different methods</li> <li>• Find the multiples of a number and then the common multiples of two or more numbers</li> <li>• Develop an understanding of lowest common multiple(LCM) and find it using different methods.</li> <li>• Solidify their understanding by exploring relationship between HCF and LCM</li> <li>• Connect and apply the knowledge of HCF and LCM to real life situation in order to demonstrate the learning of the concept.</li> </ul>
<p><b>August</b></p>	<p><b>Unit – 6 Fractions Resource Book</b></p> <p>Ch-3 Fractions</p> <p><b>Reasoning Trainer</b></p> <p>Ch-2 Where is it Hidden?</p>	<p><b>SWBAT</b></p> <ul style="list-style-type: none"> <li>• Recapitulate and understand better the term fractions and type of fractions in order to engage students with everyday use of fractions</li> <li>• Correctly recognize and find equivalent fractions</li> <li>• Apply the concept of equivalent fraction in order to reduce the fraction to its lowest term</li> <li>• Compare like and unlike fractions and arrange them in ascending / descending order</li> <li>• 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</li> </ul>

		<ul style="list-style-type: none"> <li>Analyze each word problem to identify the given information and in order to apply the correct operation on fractions .</li> <li>Learn the correct procedures in order to add , subtract , multiply and divide fractions</li> <li>Apply strategies to solve problems and use fractions in real life situations .</li> </ul>
<b>September</b>	<b>Unit – 3 Geometry</b> <b>Resource Book</b>  <b>Chapter-6 Geometry</b>  <b>Reasoning Trainer</b>  Ch-3 Mathematical Reasoning	SWABT <ul style="list-style-type: none"> <li>Identify , define and describe basic geometrical figures like point, line, line segment, ray.</li> <li>develop aesthetic sense by discovering symmetries in different geometrical shapes</li> <li>observe different angles around them and analyze how angles are used in the world around</li> <li>Identify different types of angles and name them.</li> <li>Explain that protractor is a tool to measure and construct angles in order to build angles of different measures.</li> </ul>

## II Semester ( October – March)

<b>Month</b>	<b>Topic</b>	<b>Learning Outcomes</b>
<b>October</b>	<b>Unit – 7 Decimals</b>  <b>Resource Book</b> Ch-4 Decimals  <b>Reasoning Trainer</b> Ch-4 Analytical Reasoning	SWBAT <ul style="list-style-type: none"> <li>Develop an understanding of the term decimals in order to write numbers less than one</li> <li>Place decimal numbers in the place value chart to understand the place value of each digit in the decimal part</li> <li>Read and write decimal numbers and identify the purpose of using them</li> <li>Recognize that writing a decimal with a zero in the ones place helps us remember that the number is less than one.</li> <li>Relate fractions and decimals and express fractions as decimals and vice versa</li> </ul>

		<ul style="list-style-type: none"> <li>• 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.</li> <li>• Differentiate between like and unlike decimals</li> <li>• Convert unlike decimals into like decimals in order to arrange the numbers in columns and add or subtract easily</li> <li>• Compare and order the decimal numbers in order to solve open ended problems</li> <li>• Arrange decimal numbers in columns using place value to add and subtract decimal numbers</li> <li>• Multiply decimal numbers by whole numbers</li> <li>• Divide decimal numbers by whole numbers</li> <li>• Analyze each problem to identify the given information</li> <li>• Apply the knowledge of decimal numbers to solve word problems depicting real life situations</li> </ul>
<b>November</b>	<b>Unit – 8 Measurement</b>  Ch-8 Measurement <b>Reasoning Trainer</b>  Ch-5 Mirror Image	. SWBAT <ul style="list-style-type: none"> <li>• Describe the terms length, mass and capacity in order to use the appropriate units of measurement.</li> <li>• Convert different units of length , mass and capacity from bigger to smaller and vice - versa</li> <li>• Use decimals to represent and carry out simple operations in metric measures.</li> <li>• Add and subtract different units of measurement</li> <li>• Solve word problems depicting real life situations in order to realize the importance of measurement in their daily life .</li> </ul>
<b>December</b>	<b>Unit – 9 Perimeter , Area and Volume</b>  Ch-7 Mensuration  <b>Reasoning Trainer</b>  Ch-6 Which one is different?	SWBAT <ul style="list-style-type: none"> <li>• 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</li> <li>• Identify the situations where to find perimeter or area to apply their knowledge in real life situations</li> <li>• 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.</li> </ul>

		<ul style="list-style-type: none"> <li>• Derive formulas to find the perimeter and area of square and rectangle for better retention of concepts</li> <li>• Solve the word problems based on area and perimeter depicting real life situations.</li> <li>• Describe volume as amount of space occupied</li> <li>• Find the volume by counting the number of cubes which leads them onto thinking what to do if the cubes cannot be seen</li> <li>• Calculate volume of cube and cuboid using formulas and solve word problems depicting real life situations</li> </ul>
<b>January</b>	<b>Unit -11 Data Handling</b>  <b>Resource Book</b>  Ch-9 Data Handling  <b>Reasoning Trainer</b>  Ch-7 Analogy  Ch-8 What comes next?	SWBAT <ul style="list-style-type: none"> <li>• Collect , record and interpret data</li> <li>• Define data, line graph, title, label, scale, point and line.</li> <li>• Read and interpret the information given in bar graph , line graph , tally chart and circle graph.</li> <li>• Recognize that circle graphs provide a visual presentation of the whole and its parts.</li> <li>• Read and interpret the given data and answer the related questions</li> </ul>
<b>February</b>	<b>Revision for Annual Examination</b>	

### **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) Social Studies for Juniors– Goyal Brothers Prakashan
- 2) Workbook of Social Studies.

<b>MONTH</b>	<b>CHAPTER</b>	<b>ACTIVITIES</b>	<b>ASSIGNMENT</b>
April - May	L-1 Globe – A Model of the Earth L-2 Maps- Our Guides L-11 Healthcare	<ul style="list-style-type: none"> <li>To Construct the web chart on oceans and continents</li> <li>Diagram of important parallels and Meridians</li> <li>List five specialist doctors and their field of specialization.</li> <li>Map Work:               <ul style="list-style-type: none"> <li>(a) Location of continents and oceans on world map</li> <li>(b) Location of latitudes and prime meridian on world map</li> <li>(c) Location of Tropic of Cancer passing through different states of India.</li> </ul> </li> </ul>	Assignment 01 Know your Planet Assignment 02 Parallels and Meridians Assignment 11 Be Healthy, Live longer
July	L- 3 Climate L- 4 The Democratic Republic of Congo L-12 The age of Machines	<ul style="list-style-type: none"> <li>Newspaper activity based on climate</li> <li>Diagram of the heat zones of the earth</li> <li>Project based on depicting meanders of river Congo</li> <li>Make a colorful poster on “Save energy”</li> </ul>	Assignment 05 Weather and climate Assignment 06 The land of dense forest
August	L- 5 Greenland: The Land Of Ice & Snow L-6 Saudi Arabia: The land of hot sands	<ul style="list-style-type: none"> <li>Paste pictures of animals found in snow regions</li> <li>Model of Igloo using cotton</li> <li>Activity based on desert scene</li> <li>Map Work:               <ul style="list-style-type: none"> <li>Location of Greenland</li> </ul> </li> </ul>	Assignment 07 Land of Snow  Assignment 08 Deserts of the world
September	L- 7 Temperate Grassland - Prairies L-8 Conquering Distances L-14 The birth of the United Nations	<ul style="list-style-type: none"> <li>Map Work:               <ul style="list-style-type: none"> <li>Locating major grasslands of the world</li> </ul> </li> <li>Draw pictures related to different means of transport</li> <li>Map Work:               <ul style="list-style-type: none"> <li>Showing Suez canal and Panama canal, International Airports</li> </ul> </li> <li>Group discussion based on types of pollution</li> <li>Draw and colour the flag of UN</li> </ul>	Assignment 09 The treeless grasslands Assignment 13 Conquering distance Assignment 11 Environmental Pollution Assignment 10 E for Environment
October	L- 15 The Working of the United Nations L-9 Communication	<ul style="list-style-type: none"> <li>Draw organs and agencies of UN</li> <li>Newspaper activity based on UN</li> <li>Make a web chart of different organs and agencies of UN</li> <li>Cut out interesting advertisements and make an attractive collage</li> </ul>	Assignment 21 The United Nations Assignment 14 Keeping in touch
November	L- 16- India and the United Nations	<ul style="list-style-type: none"> <li>Draw a symbol of NAM</li> </ul>	

	L-17 The Revolt of 1857	<ul style="list-style-type: none"> <li>Write your name in five different languages</li> </ul>	Assignment 15 Knowledge is Power
December	L-13 Great People never Die L-18 Beginning of the freedom struggle	<ul style="list-style-type: none"> <li>Group discussion based on great people and their stories</li> <li>Paste pictures of leaders of revolt of 1857</li> <li>Map Work: (a) Centers of revolt of 1857</li> </ul>	Assignment 17 We are proud of them
January	L-19 India wins Freedom L-10 The World of Growing knowledge	<ul style="list-style-type: none"> <li>Activity on life sketch of Mahatma Gandhi</li> <li>Make a collage on Republic Day</li> </ul>	Assignment 18 Towards Freedom Assignment 19 India wins freedom
February	REVISION		

### COMPUTER

**Prescribed Book:**

Cyber Tools - 5 by KIPS

MONTH	TOPIC	Learning Outcomes	ASSIGNMENT
April	Ch-1 Evolution of Computers	SWBAT <ul style="list-style-type: none"> <li>Know history of Computers</li> <li>Explain classification of Computers on the basis of size, speed, storage capacity and cost</li> <li>Differentiate between generations of Computer</li> </ul>	<ul style="list-style-type: none"> <li>Excel- Prepare a marksheet using functions SUM, AVERAGE, MAX, MIN Sorting the data</li> </ul>
May	Ch-2 Understanding Windows 10	SWBAT <ul style="list-style-type: none"> <li>Know features of Windows 10 , Using Desktop, Displaying Multiple Windows at a Time</li> <li>Exporting Pictures</li> </ul>	<ul style="list-style-type: none"> <li>Make PowerPoint Presentation using transition and animation</li> </ul>
July	Ch-3 Working with Tables  Ch-4 Using Mail Merge	SWBAT <ul style="list-style-type: none"> <li>Create a table, Format a table, Insert a picture, Calculations in a table</li> <li>Apply border and shading in a table</li> <li>Create a Mail Merge document</li> <li>Create recipient list and insert merge fields</li> </ul>	<ul style="list-style-type: none"> <li>Sending invitation to friends for birthday party</li> </ul>

August	Ch- 5 More on PowerPoint 2016	SWBAT <ul style="list-style-type: none"> <li>• Create a Photo Album , add Ink Equations , Screen Recording ,Ink Annotation</li> <li>• Describe different views of presentation</li> <li>• Rearrange the slides</li> </ul>	<ul style="list-style-type: none"> <li>• Make PowerPoint Presentation using video and audio</li> </ul>
September	Revision & Practical Exam		
October	Ch- 6 Formatting a Presentation	SWBAT <ul style="list-style-type: none"> <li>• Insert Smart art graphic , Table/Chart</li> <li>• Change Colour Scheme and Background colour</li> </ul>	<ul style="list-style-type: none"> <li>• Copying information and saving it in the document</li> </ul>
November	Ch-7 Programming In Scratch	SWBAT <ul style="list-style-type: none"> <li>• Use Mathematical Operators, Compare Values , Changing location randomly</li> <li>• Making a Variable</li> </ul>	<ul style="list-style-type: none"> <li>• Making a Story/Scene</li> </ul>
December	Ch-8 Microsoft Excel 2016	SWBAT <ul style="list-style-type: none"> <li>• Know features of Excel, Components of a worksheet, Different types of data</li> <li>• Perform Calculations by using different functions</li> <li>• Moving around the Spreadsheet</li> <li>• Save a Worksheet</li> </ul>	<ul style="list-style-type: none"> <li>• Prepare a bill for the items purchased</li> </ul>
January	Ch- 9 Internet – Electronic Mail (E-mail)	SWBAT <ul style="list-style-type: none"> <li>• Know Internet and its uses , Electronic Mail, Important terms, Search Engines</li> <li>• Creating and using an e-mail account</li> <li>• Browse the internet and using links</li> </ul>	<ul style="list-style-type: none"> <li>• Copying information and saving it in the document</li> </ul>
February	<ul style="list-style-type: none"> <li>• REVISION</li> <li>• Practical Exam &amp; Viva</li> </ul>		

## 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	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	- Arts and Music	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	Elements of Art (Art File Activity)	<ul style="list-style-type: none"> <li>• Doodle Art</li> <li>• Poster making on Save Earth</li> </ul>	<ul style="list-style-type: none"> <li>• acquire knowledge of basic elements and principles of Art- Line, Form, Shapes, Texture through Doodle Art.</li> <li>• develop creative skills and aesthetic sense with Poster Making.</li> <li>• connect with the elements of the environment and think about the solutions to protect Earth.</li> <li>• portray thoughts through slogans.</li> <li>• devise solutions and create awareness with posters.</li> </ul>
May	Indian art (Art File Activity)	<ul style="list-style-type: none"> <li>• Poster making on Conserve Energy</li> <li>• Indian art -Gond Art</li> </ul>	<ul style="list-style-type: none"> <li>• engage with the knowledge of our rich cultural heritage through Indian Art.</li> <li>• understand the art of detailing involved in Gond Art.</li> <li>• brainstorm ideas on various themes to be incorporated in Indian Art.</li> <li>• demonstrate the importance of sequencing in art through original creative works.</li> <li>• incorporate natural beauty in their art with the help of leaves and other natural products involved in Indian Art.</li> </ul>

July	Patterns and textures Colouring with oil pastels  (Craft & Colours Book Activity)	<ul style="list-style-type: none"> <li>• Page No-3(Pattern)</li> <li>• Page No-4(Texture))</li> <li>• Page No-5(Step-By-Step)</li> <li>• Page No-6 (Texture colouring)</li> <li>• Page No-7(Colouring)</li> <li>• Page No-8(Rangoli Design)</li> <li>• Page No-10(Eraser Sketching)</li> <li>• Page No-11(Texture Designing)</li> <li>• Page No-12(Sand Painting)</li> <li>• Page No-20, 21,23(Colouring)</li> <li>• Page No-22 (Patterns)</li> </ul>	<ul style="list-style-type: none"> <li>• analyse the importance of colours in our life.</li> <li>• produce creative work using different colour densities, textures etc.</li> <li>• develop the art of observation and expression using light and dark colour tones.</li> <li>• comprehend the art of balancing colours in a painting.</li> <li>• enhance imaginative skills and produce creative works using different patterns.</li> <li>• develop creative artistic skills using sand and different techniques of colouring.</li> </ul>
August	Learn different colouring activities (Craft & Colours Book Activity)	<ul style="list-style-type: none"> <li>• Page No-9 (Sponge Impression)</li> <li>• Page No-16(Leaf Impression)</li> <li>• Page No-17(Knife Painting)</li> <li>• Page No-25(Vegetable Printing)</li> <li>• Page No-27(String Art)</li> <li>• Page No-33(Tonal value)</li> <li>• Page No-40(Air Blow Painting)</li> </ul>	<ul style="list-style-type: none"> <li>• develop imaginative power and express their thoughts using colours.</li> <li>• recognize and evaluate the difference between primary, secondary, cold and warm colours.</li> <li>• develop the art of observation and expression using light, medium and dark colour tones.</li> </ul>
September	Shading Techniques	<ul style="list-style-type: none"> <li>• Page No-13(texture)</li> <li>• Page No-14 ,15(Stencil Shading)</li> <li>• Page No-19(Decorative items)</li> <li>• Page No-24(Tangram Shapes)</li> <li>• Page No-26(Different Techniques)</li> <li>• Page No-29(Pencil Shading)</li> </ul>	<ul style="list-style-type: none"> <li>• construct original art by visualizing things and situations.</li> <li>• enhance thinking skills by visualizing various situations and using art to express them.</li> <li>• acquire the skill of visualization and incorporate their thoughts in art using pencil colour technique.</li> <li>• enhance motor skills while decorating their piece of art with focus on little details.</li> </ul>
October	Craft Skills (Craft & Colours Book Activity)	<ul style="list-style-type: none"> <li>• Page No-28(Paper Folding)</li> <li>• Page No-30(Paper Craft)</li> <li>• Page No-32(Blotting)</li> <li>• Page No- 34,35(Craft)</li> <li>• Page No-36(Paper Craft)</li> <li>• Page No-37(Gift Box)</li> </ul>	<ul style="list-style-type: none"> <li>• enhance motor skills while decorating their piece of art with focus on little details.</li> <li>• develop creative artistic skills using different techniques of craft.</li> <li>• connect with art and develop aesthetic sense through Origami.</li> <li>• express mathematical concepts with Origami</li> </ul>

		<ul style="list-style-type: none"> <li>• Page No-38(Paper Cutting)</li> <li>• Page No- 39(Origami)</li> <li>• Page No- 42(Paper Craft)</li> </ul>	using geomagnetic shapes like triangles, rectangles etc.
November	Shading pencil -2B, 3B, 4B, 5B, 6B, 8B (Art File Activity)	<ul style="list-style-type: none"> <li>• Fruit composition</li> <li>• Vegetable composition</li> <li>• Flower vase</li> </ul>	<ul style="list-style-type: none"> <li>• enhance imaginative skills and produce creative works using different techniques of pencil shading.</li> <li>• Acquire the skill of appreciating the beauty of art with various tones of dark and light shading.</li> </ul>
December	Draw and colour (Art File Activity)	<ul style="list-style-type: none"> <li>• Winter scene with snow man</li> <li>• New year composition</li> <li>• Sea scape</li> <li>• Landscape</li> <li>• City scape with 2point prespective</li> </ul>	<ul style="list-style-type: none"> <li>• demonstrate understanding of art through ground, foreground and background landscaping.</li> <li>• enhance imaginative skills and produce creative works using 2point perspective drawing.</li> </ul>
January	Figurative Compositions (Art File Activity)	<ul style="list-style-type: none"> <li>• Garden scene</li> <li>• Favorite cartoon character</li> <li>• Outdoor composition</li> <li>• Indoor composition</li> </ul>	<ul style="list-style-type: none"> <li>• acquire the ability to clearly communicate the content, concept, context through various technical skills involved in art.</li> <li>• progress towards developing consistent images through observation.</li> </ul>
February	Poster Making (Art File Activity)	<ul style="list-style-type: none"> <li>• Save Environment</li> <li>• Stop Pollution</li> <li>• Save Water</li> </ul>	<ul style="list-style-type: none"> <li>• express thoughts through poster making in tune with our social and environmental issues.</li> <li>• portray thoughts through slogans.</li> <li>• develop problem solving skills by brainstorming solutions to various problems while creating art.</li> <li>• enhance vocabulary and conceptual skills required to express beauty through art.</li> </ul>