

SWARAJ PUBLIC SCHOOL, DAMLA
CLASS-IV
ARTIFICIAL INTELLIGENCE

S. No.	Name of Chapter	No of Days/Periods	Learning Outcomes	Methodology
1.	Computer-Inside the System Unit	12Days/12 Periods	<ul style="list-style-type: none"> ➤ Understand about System Unit and various components inside it. ➤ Identify the components of a CPU ➤ Identify how speed of CPU is measured ➤ Classify and contrast between different memory of the computer ➤ Identify and label the different ports in the system unit 	<ul style="list-style-type: none"> ➤ Quiz: Related to the topic ➤ Lab Activity: Students to identify different ports of System Unit ➤ Art Integration: Students to paste/draw pictures of 2 input, output and storage devices
2.	Windows-Customizing and Personalizing	12Days/12 Periods	<ul style="list-style-type: none"> ➤ Understand Windows 10 and how to start it ➤ Learn how to customize Start Menu in Windows 10 ➤ Know how to switch between running apps ➤ Organize running programs into one or more desktops ➤ Lock and Unlock the computer ➤ Use the Settings App to change the Desktop Background and Lock Screen Background 	<ul style="list-style-type: none"> ➤ Quiz: Related to Topic ➤ Lab Activity-Students to practice starting a computer use the start menu and change the background and other concepts. ➤ Subject Integration: Students to draw a collage on Common Start Menu Apps
3.	Word-Editing and Formatting	12Days/12 Periods	<ul style="list-style-type: none"> ➤ Learn how to edit(move ,copy, delete) and enter text in MS Word document ➤ Use Undo, Spelling and Grammar, Thesaurus in MS-Word ➤ Familiarize with various text formatting options such as Text Case,Font,Font Size and Color,Bold,Italic and Underline 	<ul style="list-style-type: none"> ➤ Quiz: Oral Test on Shortcut keys related to the topic ➤ Subject Integration (Social Studies) Project on My Country, Its Neighbors and National Symbols ➤ Lab Activity: (MS Word) Create a notice for school notice board

S. No.	Name of Chapter	No of Days/Periods	Learning Outcomes	Methodology
			<ul style="list-style-type: none"> ➤ Understand how to align text in MS-word ➤ Work with Graphics in MS-Word ➤ Add Word Art, Bullets and numbering, Drop Cap, Border and Shapes in Ms-Word document ➤ Print a Word document 	
4.	PowerPoint	12Days/12 Periods	<ul style="list-style-type: none"> ➤ Familiarize with PowerPoint and its various components ➤ Learn how to start PowerPoint and presentation software's ➤ Create Title slides and slides in PowerPoint ➤ Insert text and format slides in PowerPoint ➤ Know how to save a presentation and run a slide show 	<ul style="list-style-type: none"> ➤ Quiz-Related to topic ➤ Subject Integration/Toy Pedagogy(EVS) Presentation on Different Modes of transport for going to school ➤ Lab Activity:MS PowerPoint(S/W) Create a presentation on Myself
5.	Internet-Surfing and Security	12Days/12 Periods	<ul style="list-style-type: none"> ➤ Learn about Internet and its history ➤ Understand the advantages and disadvantages of Internet ➤ Identify the equipments that help us connect to the Internet ➤ Learn the use of search engine and web browser ➤ Understand the guidelines for online safety ➤ List the responsibilities of a digital citizen 	<ul style="list-style-type: none"> ➤ Quiz-Related to topic ➤ Art Integration/Toy Pedagogy (Games on Cyber Security(Situation based) and Project on Planets-NASA Solar System) ➤ Lab Activity Word File on Cyber Rules
6	Algorithm and Reasoning	12Days/12 Periods	<ul style="list-style-type: none"> ➤ Know about algorithms and why are they used in computers ➤ Create and write 	<ul style="list-style-type: none"> ➤ Quiz-Related to the topic on reasoning based scenarios ➤ Toy Pedagogy-Classroom Object Pencil(Algorithm on

S. No.	Name of Chapter	No of Days/Periods	Learning Outcomes	Methodology
			algorithms ➤ Understand about sequencing ➤ Learn about branching statements ➤ Define debugging and reasoning	Purchasing a Pencil) ➤ Lab Activity G Comprise Game on Balance the Scales Property
7	More About Scratch 3	12Days/12 Periods	➤ Understand and enlist the various components of Scratch Programming Environment ➤ Know about Sprites and Scripts in Scratch ➤ Identify different block categories and block shapes in Scratch ➤ Create new sprite using different methods ➤ Learn about Stage and changing its background ➤ Work with two sprites and create event based programming ➤ Understand forever block and saving a project	➤ Quiz on block shapes and categories ➤ Toy Pedagogy/Subject Integration(GK) Project on 7 Wonders ➤ Lab Activity Scratch S/W Dancing Sprite Newton's Law of Gravity Covid Behaviour using cat sprite
8	AI in Smart Homes	12Days/12 Periods	➤ Understand about the needs and goals of Artificial Intelligence ➤ Understand how AI is being used in our daily life ➤ Know about Smart Homes ➤ Enumerate the role of AI in Smart Homes ➤ List smart home products	➤ Quiz-Related to the topic ➤ Toy Pedagogy LUIS Smart Home Demo ➤ Lab Activity Akinator Game

CLASS -4**CURRICULUM PLANNER FOR 2023-24****SUBJECT : SCIENCE**

SNO.	NAME OF CHAPTER	NO.OF PERIODS/ DAYS	LEARNING OUTCOMES	METHODOLOGY
1.	Food and digestion	13	Students will be able to: <ul style="list-style-type: none">● understand the need of food.● know about food nutrients and their resources.● know about balanced diet.● know the process of digestion.● know good eating habits and need to cook food.● know food preservation.● describe the methods of food preservation.● explain harmful effects of junk food.	Small quiz will be organized on the nutrients present in the food items . Projects: <ol style="list-style-type: none">1. Write the nutritional value of any five packed food item.2. Plan a weekly balanced diet chart for yourself.
2.	Teeth and Microbes	14	<ul style="list-style-type: none">● define microbes.● name the places where microbes are found.● identify major types of microbes.● describe how microbes are harmful and useful.● know the diseases spread by the microbes.● explain how germs are spread.	Mirror game activity organized in the classroom to differentiate between the types of teeth we have. A teeth denture will be shown to students. Projects: <ol style="list-style-type: none">1. Research about any five useful and harmful microbes other than book and write about them on an A4 sheet.2. Make a mask using a napkin or a cloth with the help of your parents and use that mask whenever you go out.
3.	Safety and first aid	12	<ul style="list-style-type: none">● describe how accidents	Various flash cards related to

			<p>happen at different places.</p> <ul style="list-style-type: none"> ● know reason for accidents. ● describe common road safety signs. ● apply their knowledge to avoid accidents. ● define first aid. ● give first aid to an injured person in case of an emergency. ● develop life skills and values. 	<p>road and safety signs will be shown to students.</p> <p>Projects:</p> <ol style="list-style-type: none"> 1. Draw the labelled diagram of digestive system. 2. Collect the labels from jars containing pickle, ketchup, jams etc. Read the names of preservatives written on them and write in your notebook.
4.	Clothes- Our Protectors	12	<ul style="list-style-type: none"> ● Identify different types of fibres. ● differentiate between natural and synthetic fibres. ● know about the costumes worn by the people in different states of India. ● Know how to stay safe at different places like at home, in school, in playground from accidents. ● give first aid to any injured person in case of emergency. 	<p>Small pieces of different types of fabrics will be shown to students.</p> <p>Projects:</p> <ol style="list-style-type: none"> 1. Collect different types of cloth pieces and try to find out the fibres used in making them. Paste these pieces on an A4 sheet and write the names of the fibres used. Also write whether each one is a natural or a human made fibre. 2. Collect images of dresses worn by the people in ten different states of India and paste them in the form of a collage. Also write down the relation of climate with the dresses.
5.	Solids, Liquids and Gases	14	<ul style="list-style-type: none"> ● develop reasoning ability and scientific attitude. ● differentiate between three states of matter. ● draw molecular arrangement in solid, liquid and gaseous state. 	<p>Various examples of states of matter(solid, liquid and gases) will be given to students.</p> <p>Projects:</p> <ol style="list-style-type: none"> 1. Make a list of solid,

			<ul style="list-style-type: none"> ● explain the process of melting, freezing, evaporation and condensation. ● tell what happens when different solids dissolve in liquids. ● explain how animals breathe in water. ● differentiate between solute, solvent and solution. 	<p>liquid and gaseous things which you see in your house.</p> <p>2. Draw any three solid, liquid and gaseous things and colour them beautifully. Also show molecular arrangement in each of these three states.</p>
6.	Soil	13	<ul style="list-style-type: none"> ● know about soil. ● know about formation of soil. ● know about layers of soil or soil profile. ● name the types of soil. ● know the characteristics of different types of soil. ● tell what does soil contain. ● describe soil erosion. ● list causes of soil erosion. ● know about soil conservation. ● know the different ways to conserve soil. 	<p>Soil profile will be shown to students.</p> <p>Projects:</p> <ol style="list-style-type: none"> 1. Do the activities showing soil profile and water holding capacity of different types of soil.
7.	Green plants	14	<ul style="list-style-type: none"> ● draw the labelled diagram of a leaf. ● tell the different parts of a leaf. ● explain the process of photosynthesis. ● tell the functions of leaves. ● name some unusual plants. ● explain food chain. ● give examples of different food chains. ● draw different food chain. ● tell how plants and animals are depend on one another. 	<p>Vegetable garden inside our school will be visited .</p> <p>Projects:</p> <ol style="list-style-type: none"> 2. Draw a labelled diagram of a leaf. 3. Research on any two unusual plants and write 8-10 lines about them.
8.	Adaptations –How	18	<ul style="list-style-type: none"> ● describe terrestrial plants 	To enhance the critical

	plants survive.		<p>and their adaptations.</p> <ul style="list-style-type: none"> ● describe aquatic plants and their adaptations. ● know some other adaptations in plants. ● differentiate between plant of different regions. ● name some plants of grass family. ● list the uses of plants of grass family. ● draw various plants of different regions. 	<p>thinking skills small quiz on the topic”how plants survive in the different regions” organized in the class .</p> <p>Projects:</p> <ol style="list-style-type: none"> 1. Research on two plants or trees that do not grow in our country and write on an A4 sheet in 50-100 words. 2. Research on any two unusual plants and write how they adapt themselves to their surroundings on an A4 sheet in 50-100 words. 3. Draw 2-2 plants each of mountain region, desert region, plain region and two aquatic plants.
9.	Animal and their young ones	17	<ul style="list-style-type: none"> ● know meaning and importance of reproduction. ● define reproduction. ● list animals that give birth to young ones. ● list animals that lay eggs. ● tell how animals take care of their young ones. ● describe and draw life cycle of hen, frog, fish, cockroach and butterfly. ● know about reptiles ● draw internal structure of an egg. ● know the process of metamorphosis. 	<p>Videos related to life cycle of frog ,cockroach and butterfly shown to students using smart class.</p> <p>Projects:</p> <ol style="list-style-type: none"> 1. Draw internal structure of an egg. 2. Research on any two mammals that lay eggs. Write the information collected on an A4 sheet in 10-15 lines. 3. Find out the names of five different animals that undergo metamorphosis. Draw their life cycle on A4 sheets.
10.	Adaptations :How animals survive	18	<ul style="list-style-type: none"> ● know about habitat. ● classify animals according to their habitats. ● list various adaptations in animals according to their habitats and weather 	<p>Flash cards showing adaptations of animals will be shown to students.</p> <p>Projects:</p>

			<p>conditions.</p> <ul style="list-style-type: none"> ● list adaptations for protection and food. ● know endangered animals and extinct animals. ● differentiate between animals of different habitat. ● describe hibernation and aestivation. ● know why some animals migrate. 	<ol style="list-style-type: none"> 1. Name some animals that adapt for protection and state their adaptations. Write the information collected on an A4 sheet in 100-150 words. 2. Research on any two endangered and extinct animals. Prepare a PPT presentation having 5-6 slides. 3. Watch any one programme on National Geographic or Animal Planet or Discovery Channel for 15 days. Write down your observation and learnings on an A4 sheet in 100-150 words.
11.	Force, work and energy	16	<ul style="list-style-type: none"> ● define force. ● list effects of force. ● know types of force. ● explain advantages and disadvantages of friction. ● tell about simple machines and their importance in day to day life. ● know types of simple machines. ● list various types of simple machines. ● know what is work. ● describe energy and its sources. 	<p>Demonstration of the effect of force on shape, position and direction given to students using Ball, balloon, toy car, scissor, bottle opener, screw, knife.</p> <p>Projects:</p> <ol style="list-style-type: none"> 1. Identify some of the simple machines or tools that we use in daily life- in the kitchen, bathroom etc. Make a chart and classify them into various types of simple machines. 2. Find out the names of any four important dams of India and the river on which they are built. Also collect the pictures of these dams and make a wall hanging. 3. Find out the name of the country which is famous for windmills.

				Write about it in 10-15 lines on an A4 sheet.
12.	Air, weather and water	16	<ul style="list-style-type: none"> ● know the factors affecting weather. ● describe the role of the sun and wind in weather changes. ● describe formation of clouds rain, hail, snow, dew, frost and fog. ● know how to purify water. ● name and identify different types of weather. ● explain what causes different types of weather. ● explain what causes different types of weather. 	<p>Properties of air demonstrated in the class using balloons, candles, beakers, syringe.</p> <p>Demonstration of difference in temperature of sand and water in sunlight given to students.</p> <p>Projects:</p> <ul style="list-style-type: none"> ● Trace outline of political map of India on a paper and mark the location where fog or snow occurs.
13.	The solar system	15	<ul style="list-style-type: none"> ● know the universe and the solar system. ● identify the eight planets of the solar system. ● know stars and satellites and other heavenly bodies. ● describe structure and movements of the earth. ● know how day and night occur. ● know how seasons change. ● describe what is solar system. 	<p>Demonstration of day and night using torch and ball and seasons using globe and torch given in class.</p> <p>Projects:</p> <ol style="list-style-type: none"> 1. To make solar system using cardboard and waste paper 2. Find out some amazing facts of members of solar system and write on a A4 sheet in 8- 10 lines 3. Find out the name of Galaxy in which our solar system is situated. Draw your Galaxy.
14.	Keeping our Earth clean and green	15	<ul style="list-style-type: none"> ● understand the importance of trees ● describe the effects of deforestation ● describe pollution and its different types ● identify biodegradable and non-biodegradable wastes ● know the three R's ● recycle, Reuse, Reduce ● to learn how to reduce the 	<p>Pictorial representation of causes and prevention of air, water and soil pollution given to students.</p> <p>Projects:</p> <ol style="list-style-type: none"> 1. Slogan writing to save trees. 2. List down five things made up of plastics that

			<p>pollution</p>	<p>you use daily. Write down the ways to avoid their use in 6-10 lines.</p> <p>3. Make a list of activities that you can do to keep our Earth clean and green.</p>
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CLASS -4**CURRICULUM PLANNER FOR 2023-24****SUBJECT : ENGLISH**

SNO	NAME OF CHAPTER	NO. OF PERIODS / DAYS	LEARNING OUTCOMES	METHODOLOGY
1.	The Novel Coronavirus: we can stay safe	8	<ul style="list-style-type: none">● understand the story and attempt reference to the context, factual and inferential questions about the lesson● understand and use the prefix un- antonyms and homophones● talk about various healthy activities	<ul style="list-style-type: none">● Draw the corona virus● Role Play● Audio-Visual● Toy-Pedagogy
2.	The history of money	7	<ul style="list-style-type: none">● understand and know about the evolution of money● think of words associated with the topic and complete the word web● speak about a visit to museum through a dialogue	<ul style="list-style-type: none">● AIL● Story telling● Research work● Audio – visual
	Poem: Going downhill on a bicycle	4	<ul style="list-style-type: none">● understand the poem● attempt factual and inferential questions based on the poem● understand rhyming words and come up with rhyming words of their own● understand and identify alliterations used in the poem	Write the rhyming scheme of the poem. Audio-visual Group work Make the rhyming scheme of the poem
3	The weight lifting princess	8	<ul style="list-style-type: none">● understand the story and attempt reference to context, factual and inferential questions about the lesson● understand and use one-word substitution● compare two pictures and tell about them	<ul style="list-style-type: none">● Story telling● Role play● Audio-visual● Lecture cum discussion method

4.	The case of missing water	8	<ul style="list-style-type: none"> ● understand and comprehend the story ● learn words related to weather ● learn to express preferences ● listen to information and write yes/ no 	<ul style="list-style-type: none"> ● Research Work ● Role play ● Audio visual ● Lecture cum demonstration
5.	Braille	8	<ul style="list-style-type: none"> ● understand the story and attempt reference to context, factual and inferential questions about the lesson ● understand and use topic vocabulary ● talk using sign language 	<ul style="list-style-type: none"> ● Research about different ways to save water ● Research work ● Lecture cum discussion method ● Learning by doing ● Toy – pedagogy
	Poem: The violet	4	<ul style="list-style-type: none"> ● understand the poem ● attempt factual and inferential questions based on the poem ● understand and identify rhyming words 	<ul style="list-style-type: none"> ● Audio-visual ● Collaborative Group work ● Toy pedagogy
6.	A whale on the beach	8	<ul style="list-style-type: none"> ● understand the story and attempt reference to context, factual and inferential questions about the lesson ● understand and use collocations: make/do ● understand and use chapter vocabulary ● talk about animals in danger using information from a brochure ● listen and choose the correct answer 	<ul style="list-style-type: none"> ● Write the rhyming scheme of the poem ● Audio-visual ● Collaborative Group work ● Toy pedagogy
	Poem: The bluebird	4	<ul style="list-style-type: none"> ● understand the poem ● attempt factual and inferential questions based on the poem ● understand and identify rhyming words 	<ul style="list-style-type: none"> ● Write the rhyming scheme of the poem. ● Audio-visual ● Class discussion ● Toy pedagogy
7.	Kali wants to dance	8	<ul style="list-style-type: none"> ● understand the story and attempt reference to context, factual and inferential questions about the lesson ● learn how to give advice 	<ul style="list-style-type: none"> ● Write the character sketch of Kali. ● Role play ● Audio-visual ● Story telling ● Discussion method

			<ul style="list-style-type: none"> ● understand and use topic vocabulary and nesting words ● understand and use language to talk about ability and requests 	
8.	The sword in the stone	8	<ul style="list-style-type: none"> ● understand the story and attempt reference to context, factual and inferential questions about the lesson ● understand and use topic vocabulary and nesting words ● talk about favorite activities ● listen and complete the chart 	<ul style="list-style-type: none"> ● Class discussion about favorite activities of students. ● Role play ● Audio-visual ● Story telling
	Poem: Who am I	4	<ul style="list-style-type: none"> ● understand the poem ● attempt factual and inferential questions based on the poem ● understand and identify rhyming words 	<ul style="list-style-type: none"> ● Write the rhyming scheme of the poem. ● Audio-visual ● Class discussion ● Toy pedagogy

CLASS -4
CURRICULUM PLANNER FOR 2023-24
SUBJECT: MATHEMATICS

SNO.	NAME OF CHAPTER	NO.OF PERIODS/ DAYS	LEARNING OUTCOMES	METHODOLOGY
1.	Number System	15	<p>The students will understand:</p> <ul style="list-style-type: none"> • how to form 4-digit numbers. • how to write the place value and face value of a number. • how to write the expanded and standard form of a number. • how to compare different numbers. • how to write numbers in ascending and descending order. • how to round off the numbers. • how to recognize 	<ul style="list-style-type: none"> • Place value chart activity to read and write 6 digit numbers • Ganit mala activity to round off the numbers to the nearest 10, 100 and 1000 • Number card activity to frame greatest and smallest numbers
2.	Addition and subtraction	15	<p>The students will understand:</p> <ul style="list-style-type: none"> • addition and subtraction of 5- and 6-digit numbers. • the different addition and subtraction facts. • how to solve addition and subtraction • how to estimate the sum and difference of numbers. 	<ul style="list-style-type: none"> • Story telling activity to frame 2 step story problem. • Snake and ladder game to learn addition and subtraction mentally. • Number card activity to learn properties of addition and subtraction.
3.	Multiplication	15	<p>The students will understand:</p> <ul style="list-style-type: none"> • how to make their own table of 3, 6 and 9 multiplication facts • how to multiply using the expanded notation method. • multiplication by 10, 100 and 1000. 	<ul style="list-style-type: none"> • Maintain a Table's Diary to memorize multiplication tables from 11 to 20 • Number card activity to frame the numbers and to multiply them • Story framing activity to know where and how to
4.	Division	14	<p>The students will understand</p> <ul style="list-style-type: none"> • the rules of division • division by 10, 100 and 1000. • division of a 4-digit number by a single digit. • division of a 2-digit number. • how to estimate quotient. 	<ul style="list-style-type: none"> • Number card activity to learn multiplication facts for the division sentence • Story framing to know where and how to use all 4 operations • Word web for the

			<ul style="list-style-type: none"> the concept of unitary method. Different division tricks. 	properties of division
5.	Factors and Multiples	15	<p>The students will understand:</p> <ul style="list-style-type: none"> prime and composite numbers. prime factorisation by factor tree method. the concept of common factors. the concept of multiples and properties of multiples. 	<ul style="list-style-type: none"> Making squares and rectangles to find factors of given numbers using concrete objects (eg beans) Ganit mala activity to know about common multiples Bingo Game to find factors and multiples of any given numbers
6.	Fractions	15	<p>The students will understand:</p> <ul style="list-style-type: none"> prime and composite numbers. prime factorisation by factor tree method. the concept of common factors. the concept of multiples and properties of multiples. 	<ul style="list-style-type: none"> Introduction to fractions using fraction kit by story telling Using fraction kit for Addition, Subtraction and comparison of like fractions Finding Fraction Partner game will be played to learn about equivalent fractions
7.	Decimals	12	<p>The students will understand:</p> <ul style="list-style-type: none"> the concept of decimals. how to write the place value of a decimal number. the terms tenths and hundredths. how to read decimal numbers the application of decimals. 	<ul style="list-style-type: none"> Decimal Card activity to read and write decimal numbers Dienes Block activity to learn place value of decimals Draw Place Value chart to put decimal numbers according to their places
8.	Lines and shapes	15	<p>The students will understand:</p> <ul style="list-style-type: none"> how to measure the length of line segments. the concept of ray, line and line segments what open and closed figures are. what a polygon and circle is how to identify the different solid shapes. the nets of solid shapes the top view, side view and front view of a 3-D figure 	<ul style="list-style-type: none"> Shapes Chart of 3D shapes showing faces, edges and vertices Nets making activity for 3D shapes using coloured paper Jodo cube activity to find Top, front and side view of different shapes
9.	Patterns and Symmetry	12	<p>The students will understand:</p> <ul style="list-style-type: none"> how to draw mirror images Shapes and number patterns the concept of tessellations. how to write codes using numbers. 	<ul style="list-style-type: none"> Draw Rangoli Design showing Tesselation patterns Mirror image activity to find mirror image of different shapes

			<ul style="list-style-type: none"> • Decoding • Casting out nine and digit sum 	<ul style="list-style-type: none"> • Paper folding activity to find lines of symmetry
10.	Measurement	20	<p>The students will understand</p> <ul style="list-style-type: none"> • the conversion of lengths. • Standard units of measurement and metric system. • To convert various units of lengths, mass and capacity. • How to add, subtract, multiply and divide lengths, mass and capacity. • how to solve real life problems related to measurement units. 	<ul style="list-style-type: none"> • Comparison of height and weight in the classroom using measuring tape and weighing scale • Make coding chart to learn the conversion table • Using non-standard units to measure length of different things to conclude the importance of standard units
11.	Perimeter and Area	14	<p>The students will understand:</p> <ul style="list-style-type: none"> • the concept of perimeter. • the concept of area and its units. • how to find the area of irregular shapes. 	<ul style="list-style-type: none"> • Square paper activity to find perimeter and area of irregular shapes • List 5 activities each where area and perimeter needs to be found to understand difference between area and perimeter • Pasting of a big leaf on a square paper and finding its area
12.	Money	15	<p>The students will understand:</p> <ul style="list-style-type: none"> • how to identify various coins and notes of Indian currency • the addition and subtraction of money • the multiplication and division of money • word problems related to money 	<ul style="list-style-type: none"> • Sale in classroom activity will be conducted to know the transaction of money • Making a bill of Grocery used in a month • Fake currency game will be played to learn addition and subtraction of money
13.	Time and calendar	17	<p>The students will understand:</p> <ul style="list-style-type: none"> • the concept of clock. • how to write time in a.m. and p.m. • relationship between second, minute, hour and day. • the addition and subtraction of time. How to read 24-hour clock time. • the concept of time duration. <ul style="list-style-type: none"> • how to find the number of days in a year. 	<ul style="list-style-type: none"> • Time line activity to show the routine of any particular day • Create a beautiful calendar between 2 dates of your birthday and your friend's birthday. Calculate number of days between these 2 dates • Paper plate clock making activity. Students will show time by moving its hands
14.	Data Handling	12	<p>The students will understand:</p> <ul style="list-style-type: none"> • how to represent data using pictograph, bar graph and circular 	<ul style="list-style-type: none"> • Research work regarding the favourite colour of the whole class will be

chart.

- How to draw a bar graph

conducted by the students. Later this information will be put in the form of a table

- Collected data will be shown in the form of Pictograph and Bar graph
- Students will depict the time spent on different hobbies using pie chart

CLASS -4

CURRICULUM PLANNER FOR 2023-24

SUBJECT: SOCIAL SCIENCE

S.NO	NAME OF CHAPTER	NO.OF PERIODS/ DAYS	LEARNING OUTCOMES	METHODOLOGY
1.	The Face of India	09	<p>Students will be able:</p> <ul style="list-style-type: none"> ● Explain the location of India on the globe ● Identify the countries that surround India ● Know the concept of the Indian subcontinent ● know the northern and southernmost point of India ● Distinguish between a physical map and a political map of India ● Analyze the various landforms of India ● Appreciate the unity in diversity in India. 	<p># A small quiz will be organized on the states and capitals of our country.</p> <p>Projects:</p> <p>1. Aesthetic skill: Draw images of different landforms of India.</p> <p>2. Map skill: locate the neighboring countries of India on a political map.</p> <p>Toy Pedagogy: Map Exploration- Provide a toy map or puzzle map to lactate important landmarks.</p>
2.	The Northern Mountains	10	<ul style="list-style-type: none"> ● Understand the physical features of the Northern mountains ● Identify the three divisions of the Himalayas ● To know how the Himalayas are important for India ● Describe the lifestyle in the north and north-eastern parts of India ● Comprehend what it is to live in a place surrounded by mountains 	<p># Role-play activities organized in the classroom to explain the three ranges of the Himalayas</p> <p>Projects:</p> <p>1. Research work: Collect information about “ Sir Edmund Hillary ” of New Zealand and "Tenzing Norgay " a sherpa of Nepal, who became the first explorers to reach the summit of Mount Everest, the highest peak of the world and write about them on an A4 sheet.</p>

			<ul style="list-style-type: none"> ● Appreciate the natural beauty of the mountains of India 	<p>2. Classroom discussion: Importance of mountain</p> <p>3. Map skill: Locate the states of the northern mountain region on a political map of India.</p> <p>Toy Pedagogy:</p> <p>Roleplay- Use models of mountains to explain the features of ranges of Himalayas.</p>
3.	The Northern Plains	10	<ul style="list-style-type: none"> ● Identify some features of the Northern plains of India ● Know about the region and the deltas in the basin. ● List the areas that make up the geographical region of the great plains ● Explain the climate and ecology of the great plains region ● Outline the history of the great plains ● Explain what makes the plains fertile. ● Comprehend what life is like in the plains ● Assess the role of the northern plains as the food bowl of India ● Understand the interdependence of the northern mountain region and the northern plains region on each other. 	<p># Various flashcards related to monuments of states of northern plains will be shown to students.</p> <p># Samples of some grains like wheat, rice, and pulses will be shown to students.</p> <p>Projects:</p> <p>1. Aesthetic skill: Draw an image of a river and write some facts about the river Ganga.</p> <p>2. Research work; Collect the information about the “Namami Gange Project”, write its objectives and main pillars</p> <p>3. Map skill; ” Locate the states that are part of northern plains on a political map of India.</p> <p>Toy Pedagogy: Role play of people of various states having a conversation about their lives (by using beautiful puppets)s</p>
4.	The Great Indian Desert	10		<p># A powerpoint presentation will be shown to students.</p>

			<ul style="list-style-type: none"> ● Understand the characteristics of the desert. ● Recognise the location of the great Indian desert ● Identify the states covered by desert in India ● Know about the climate and vegetation in the Indian desert ● know about the costumes worn by the people in Thar desert ● Learn about the mode of transport in the desert, especially about the camel called the ship of the desert ● Differentiate between life in the desert, and life in the mountains and the plains. ● Appreciate the construction of the Indira Gandhi Canal which helps cultivation in Thar desert 	<p>A model of an oasis will be shown to students</p> <p>Projects:</p> <p>1. Research and Aesthetic skill: Draw an image of a camel called the ship of the desert and write some important facts about it on A4 sheet</p> <p>2. Creative skill: Collect pictures of the Thar desert and make a collage on A4 sheet</p> <p>3. Research work: Find out the names of any ten deserts of the world , write their names in a notebook</p> <p>Toy Pedagogy: Cultural Diversity- Use tie die cloth, stone work, marble work, jewellery, puppetry to represent the handicrafts of Rajasthan.</p>
5.	The Southern Plateau	10	<ul style="list-style-type: none"> ● Comprehend the meaning of plateau ● Know about the Southern plateau: their location and extent ● Identify some states that lie in the Plateau region ● Differentiate between a plateau and other landforms ● Distinguish between western ghats and eastern ghats ● Understand the significance of the peninsular for the 	<p># Powerpoint presentations about the Deccan Plateau will be shown to students.</p> <p># Students may bring photographs of visits to states in the Southern plateau region.</p> <p>Projects:</p> <p>1. Creative and Aesthetic skill:The students may be divided into eight groups. Each group can make a collage on any one state in the Deccan plateau region</p>

			economic development of India.	<p>2. Map skill: Shade the plateau region with pink colour</p> <p>3. Mark the eastern ghat, western ghat and Aravalli hills on a political map of India.</p> <p>Toy Pedagogy: Interactive Puzzle- Conduct Plateau region themed puzzle or board games to cover the topics like history, culture and occupation of the people of plateau region.</p>
6.	The Coastal Plains and Islands	10	<ul style="list-style-type: none"> ● Comprehend the meaning of coast ● Know about the location and extent of the coastal plains in India ● know about the islands group of India Identify the states that lie in the coastline ● Know the difference between the western coastal plains and the eastern coastal plains. ● Learn about the states in these two plains ● Understand the trade and culture of these two plains. ● Comprehend what is life like on the coast ● Locate the island groups consisting of: the Andaman and Nicobar Islands, and Lakshadweep Islands. 	<p># Powerpoint presentations will be shown to students</p> <p># Students may be asked to bring photographs taken during their visits to states in the coastal region</p> <p># Interactive method through Question answer technique</p> <p>Projects:</p> <p>Literary and creative skills: The students may be encouraged to write a paragraph on the topic” If you were living in the coastal region, which occupation would you practice and why?”</p> <p>Aesthetic skill: The students may be asked to draw and colour any one of the following:</p> <ol style="list-style-type: none"> a) Backwater of Kerala b) A landscape of an island <p>Toy Pedagogy: Story telling- Tell stories about Indian Islands, highlighting their unique landforms, flora, fauna and cultural aspects.</p>

7.	The Climate of India	10	<ul style="list-style-type: none"> ● Recall the meaning of climate ● Get familiarized with the natural forces affecting the climate as a whole ● Exhibit a clear understanding between weather and climate ● To explain the concept of monsoon and its causes. ● To discuss the typical characteristics of monsoon ● To state the climatic conditions during different seasons ● Get sensitized towards the climate of India ● Appreciate the role of the meteorological department and weather forecasts in India. 	<p># Various Flashcards relate to different types of weather will be shown</p> <p># Powerpoint presentation on the different season</p> <p># The students may be asked to bring clippings of newspaper or magazine related toE floods and droughts</p> <p>Projects:</p> <p>Conservation skill:</p> <p>1. The students may be encouraged to speak on the topic” What do you do in different types of weather? How does the weather affect what you wear and how you behave?”</p> <p>2. Map skill: Mark the following places on an outline political map of India:</p> <ul style="list-style-type: none"> *One of the wettest places on earth in India * The state which hardly receives any rainfall * A hill station in India * The union territory that experiences the hot, dry wind called loo * A state in the coastal region that has extreme summers <p>3. Aesthetic skill: Make posters with slogans on Global Warming.</p> <p>Toy Pedagogy; Wind Energy- Use toy windmills or pinwheels to set up an</p>
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				experiment to observe how wind energy can make the windmills rotate.
8.	Soils of India	10	<ul style="list-style-type: none"> ● Define the “ Soil” ● Understand the formation of soil ● Learn about the different types of soil ● Distinguish between uses and characteristics of different types of soil ● Know the reason which soil is most fertile and why? ● Understand the causes of soil erosion ● Identify ways to improve soil fertility as well as reduce soil erosion. 	<p># A Presentation on the different types of soil and the kind of crop grow in each type</p> <p>#Explanation through samples/ pictures of various types of soils</p> <p>Projects:</p> <ol style="list-style-type: none"> 1. Life skill: Encouraged to plant a tree and take care of it 2. Encourage to use jute bags 3. Conversation skill: Encouraged to speak on the following “ Do you like to play with your friends in the playground? How would you like the playground to be– grassy, muddy,or sandy?” <p>Toy Pedagogy: Soil Texture Exploration- Provide different types of soils in small containers and encourage children to touch, feel and observe the texture of each soil type.</p>
9.	Our Forests and Wildlife	10	<ul style="list-style-type: none"> ● Know what a forest is ● Comprehend that forests are natural resources ● Identify the different types of forests found in India ● Comprehend the terms natural parks and wildlife ● Understand the importance of forests and wildlife in our environment 	<p># Explanation through visual aid</p> <p># The leaves of different trees will be shown.</p> <p>Projects:</p> <ol style="list-style-type: none"> 1. Collect leaves of different types of trees and paste

			<ul style="list-style-type: none"> To understand the role of government and community in the conservation of forests and wildlife 	<p>them in a scrap book write their name also</p> <ol style="list-style-type: none"> Literary and creative skill: Write an autobiography of a tree Role play on afforestation Discussion on the topic: “What would happen to our planet earth if all the trees were cut down? . <p>Toy Pedagogy: Animal Habitat Diorama- Create a diorama using toy animals and natural materials to represent different wildlife habitats found in India, such as forests, grasslands or wetlands.</p>
10.	Our Water Resources	10	<ul style="list-style-type: none"> Define water Learn about the various sources of water. Know the uses of water Explain the role of water for humans and plants Recall the process of the water cycle know about the various means of irrigation Understand the importance of saving water Come up with ways to reuse water Understand the importance of keeping the lakes and ponds clean. Connect with real stories to learn about the people and places where water sustainability is present. 	<p># Poems and stories based on water</p> <p># Interactive method- Question answer technique</p> <p>Projects:</p> <ol style="list-style-type: none"> Aesthetic skill: Make a chart on water pollution. Collect clipping from newspapers or magazines related to shortage of water Find out the name of any five important dams of India and the rivers on which they are built. Also collect the pictures of these dams and make a wall hanging. <p>Toy Pedagogy: Water pollution Experiment- Set up a mini water pollution experiment using toy boats, plastic pollutants and a</p>

				container of water to observe the effects of pollution.
11.	Our Mineral Resources	10	<ul style="list-style-type: none"> ● Define the term mineral ● Describe the properties of minerals ● Know about the types and sources of mineral resources ● Explain the distribution of minerals in India ● Learn about the uses of minerals ● State the consequences of over-exploitable of mineral resources on the environment ● Understand the need to conserve minerals and energy resources ● Analyzes the ways to conserve mineral resources. 	<p># Video clip on mining</p> <p># Objects made from different metals will be shown</p> <p>Projects:</p> <ol style="list-style-type: none"> 1. Identify some of the simple machines or tools that we use in daily life- in the kitchen, bathroom etc.and classify them as metallic or non- metallic 2. Debate on the topic-” Renewable energy sources are better than non-renewable energy sources.” 3. Find out the name of the country which is famous for windmills. Write about it in 10-15 lines on an A4 sheet. <p>Toy Pedagogy: Mineral Exploration Kit- Provide a kit that includes different types of rocks and minerals, magnifying glasses,and identification guides to examine and classify the minerals using the tools provided which helps to understand the variety and characteristics of mineral resources.</p>
12.	Our Human Resources	08	<ul style="list-style-type: none"> ● Acquire knowledge of human resources ● Know about the uneven distribution of population ● know how climate, and topography, affect the distribution of population 	<p># Explanation through visual aid</p> <p># Interactive method to check previous knowledge</p> <p># Discussion method</p>

			<ul style="list-style-type: none"> ● Understand different terms like birth rate, migration, literacy, etc. ● Understand the role and importance of a healthy population ● Understand how humans contribute to a nation's development. 	<p>Projects:</p> <ul style="list-style-type: none"> ● Role play activity to improve communication skill ● Make strict laws on population control ● Write a slogan on the importance of education. <p>Toy Pedagogy: Puzzle and Board Games- Use puzzles or board games related to minerals or human resources including quizzes, matching games where students have to make decisions related to resource management.</p>
13.	Our Agriculture and Livestock	09	<ul style="list-style-type: none"> ● Appreciate the importance of food in India ● Understand the meaning and importance of agriculture ● identify the main agricultural season in India. ● know about the factors affecting agriculture ● Distinguish between food crops and cash crops ● Classify different crops according to their geographical conditions ● Realize the problem of food security ● Identify the animals reared for various purposes ● Know about the concept: of green revolution and White revolution 	<p># Explanatory method</p> <p># Interactive with contemporary examples</p> <p># Samples of food and cash crops will be shown</p> <p># Images of dairy products</p> <p># Powerpoint presentation</p> <p>Projects:</p> <ol style="list-style-type: none"> 1. Make thankful cards for farmers. 2. Find out some amazing facts on spices of India and write on a A4 sheet 3. Collect different pulses and cereals. Put them in small transparent pouches and label them. Paste them in your scrapbooks. <p>Toy Pedagogy: Plant Life Cycle- Use seed-growing kits or small pots with soil and</p>

				seeds to demonstrate the life cycle of plants. They observe and record the stages of germination, growth, flowering and seed productions.
14.	Our Industries	09	<ul style="list-style-type: none"> ● Know what is an industry ● Explain what happens to the natural resources which we cannot use directly ● Identify the raw materials we get from nature ● Learn how the raw materials are converted into finished goods ● Understand the distribution of industries based on size ● Learn how value is added to the product by manufacturing in industries ● Know about the major industries in India ● Understand the importance of factories and industries and their contribution to the national economy. 	<p># Pictorial representation of different industries will be shown to students.</p> <p># Bring products of cottage and small scale industries</p> <p>Projects:</p> <ol style="list-style-type: none"> 1. Slogan writing to stop pollution created by industries 2. List down five things made up of plastics that you use daily. Write down the ways to avoid their use in 6-10 lines. 3. Make a chart on the division of industries based on their size. 4. Make connections between agriculture and industry and our daily lives through discussions.. <p>Toy Pedagogy: Toy Factory Design- Design and build their own toy factory using construction toys or recycled materials. Discuss the importance of sustainable production.</p>

15.	Means of Transport	09s	<ul style="list-style-type: none"> . Describe, in detail, past forms of transportation . Explore different types of transportation . Categorize the means of transport like land, water, and air transport . Identify several modern forms of transportation, and decide which is best for specific situations . Learn about the different jobs that are available in transportation and the duties of each one . Visualize the problems of transportation 	<p># Powerpoint presentation</p> <p># Explanatory method</p> <p>Projects:</p> <ol style="list-style-type: none"> 1. Share experience on travel by train, airplane and ship 2. Collect information any one of the heritage train ,paste picture and write some facts about it on A4sheet 3. Make different means of transportation using colour paper, cardboard and glue etc. <p>Toy Pedagogy: Building and Construction- Provide building blocks or construction sets to build their own transport infrastructure,</p>
16	Means of Communication	09	<ul style="list-style-type: none"> . Understand the meaning of communication . Understand how early men communicated with each other . Know the types of communication . Make a list of various types of communication . Differentiate between traditional and modern systems of communication . Understand the mechanism of communication . Learn about some social networking services used worldwide . Find some ways to communicate problems. 	<p># Powerpoint presentation</p> <p># Interactive method</p> <p># Bring samples of inland letters, envelopes and postcards.</p> <p>Projects:</p> <ol style="list-style-type: none"> 1. Collect the pictures of the symbols of some social networking services used worldwide. 2. Collect pictures of different means of communication and paste them to make a collage in your scrapbook. 3. Write an email to your friend about your studies. <p>Toy Pedagogy: Field Trips Experiments- To explore real-life means of communication visit post offices or mobile care centers to observe how they function.</p>

17.	Our Government	12	<ul style="list-style-type: none"> . Define government . Explain the purpose of government . Describe the different types of government . Identify the three branches of government . Identify the people that are involved in each branch . Describe the functions of each branch . Enlist the powers of the governor . Describe the administration of union territories of India 	<p># Bring voter card, model of ballot box</p> <p># Pictures of prime minister and president of India</p> <p># Explanation and discussion; Framework of government Flowchart: Levels of government</p> <p>Projects:</p> <p>1. Research work: State cabinet ministers along with their portfolios</p> <p>2. Make some rules to make your class more disciplined.</p> <p>3. Find out and make a list about the symbols of the different political parties in your area.</p> <p>Toy Pedagogy: RolePlay- Mock election</p>
18.	Our Goals, Rights, and Duties	12	<ul style="list-style-type: none"> . Know about the history and background of our constitution . Realize that all Indians are equal in the eyes of the law . Learn the fundamental rights and duties . Develop a holistic understanding of fundamental rights . Develop a sense of responsibility towards public properties and national symbols . Learn about the directive principles. 	<p># Interactive method through question answer technique</p> <p># Picture of preamble of Indian constitution</p> <p># Role play method</p> <p># Group discussion on- rights and duties go together</p> <p>Projects:</p> <p>1. Make a poster on any one fundamental rights granted by the constitution</p> <p>2. Brainstorm and make a list of their rights and duties in school.</p> <p>3. Learn the preamble by heart</p>

				<p>4. Be a cartoonist! Draw cartoons of a responsible and an irresponsible citizen of India and shade it.</p> <p>Toy Pedagogy: Rights and Responsibilities- Use toys to illustrate different rights such as right to freedom, education, play and speech.</p>
19.	Our National Symbols	11	<ul style="list-style-type: none"> . Explain what the national symbols are . Explain the history and background of national symbols . Explain the role of national symbols in the life of the nation . Speak about national symbols . Develop a sense of respect and honor for our national symbols. 	<p># Pictures of the national flag, coins, notes, Rabindranath Tagore, Lotus, Tiger, Peacock, Mango, Banyan tree, Hockey.</p> <p># interactive and discussion</p> <p># Real life examples</p> <p>Values Taught: Unity, Integrity, Patriotism, Awareness.</p> <p>Projects:</p> <ol style="list-style-type: none"> 1. Prepare poster presentation on any one of the national symbols 2. Make a tricolor sandwich with the help of different pulses 3. Collect some things on which our national emblem is marked and paste in your scrapbook. <p>Toy Pedagogy: Create their own flag or emblem by using different colours .</p>

20.	Our Art and Culture	12	<ul style="list-style-type: none"> . Define culture and its components . Know about the key features of Indian culture . Define several major areas in the history of Indian art . Understand that festivals add diversity, and bring people together through celebrations and traditions . Understand the regional diversity of India with regard to language, food, clothes, folk dance, and music. 	<p># Puppets of different states will be shown</p> <p>#Video clipping</p> <p># Interactive and explanatory method</p> <p>Projects:</p> <ol style="list-style-type: none"> 1. Research in pair about a particular festival and present it to the class 2. Research on any one state(food, clothing, language spoken) 3. Collect pictures of famous monuments of India and make a collage 4. Find out the recognised languages of India and write along with states. <p>Toy Pedagogy: Provide building blocks to create their own choice of fort or palace.</p>
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21.	They Made History	12	<ul style="list-style-type: none"> . Understand the need for social reforms in India . Know why and how these reforms were initiated in India . Understand the leading reformers and their ideas about the nature of society . Grasp the scope and methods of these social reforms . Create a bag of clues about the historical figure 	<p># Pictures of some social reformers will be shown</p> <p>Projects:</p> <ol style="list-style-type: none"> 1. Find out the recent Indian-origin Nobel prize winners. Write their names and year of winning prize on A4 sheet 2. Prepare a collage showing the social reformers, astronomers, the great ancient kings and mathematicians of our country. 3. Research work: Find out what kind of social reforms does India need today? <p>Toy Pedagogy: Storytelling and Literature- Read books or tell stories about great personalities .</p>
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CLASS -4**CURRICULUM PLANNER FOR 2023-24****SUBJECT : ENGLISH**

SNO	NAME OF CHAPTER	NO. OF PERIODS / DAYS	LEARNING OUTCOMES	METHODOLOGY
1.	Nouns and its types	7	<ul style="list-style-type: none">• Difference between Abstract and Concrete nouns• Differentiate between Common and Proper nouns• Know about the usage of Possessive nouns• Understand correct subject-verb agreement in relation to Collective nouns	<ul style="list-style-type: none">• Make a list of items for your birthday party along with the shops for Common/ Proper Noun.• Write all your feelings/emotions according to a given situation for abstract noun.• Audio-visual• Lecture cum discussion
2	Articles	5	<ul style="list-style-type: none">• Tell about Vowels and Consonants.• Differentiate between Definite and Indefinite articles.• Use Articles correctly.• Enhance their speaking and writing skills.	<ul style="list-style-type: none">• Write a picture composition and underline the articles used in it.• Audio-visual• Discussion method• Toy Pedagogy
3	Present Simple Tense	4	<ul style="list-style-type: none">• Understand that simple present tense is used to describe routine, habits, general truth, and is permanent.• Use simple present tense properly in context.• Share information about their daily routine and even their friends' routine.• Enhance their speaking and writing skills.	<ul style="list-style-type: none">• Write a composition using the tense• Write your routine using the tense• Learning by doing• Audio-visual• Demonstration method
4	Present Continuous Tense	4	<ul style="list-style-type: none">• Tell about Present Continuous Verb.• Recognize the Present Continuous Verb.• Use present Continuous Verb in a sentence.• Differentiate between Simple Present and Present Continuous Tense.	<ul style="list-style-type: none">• Write a composition using the tense• Write a picture composition using the tense• Learning by doing• Audio-visual• Demonstration method

			<ul style="list-style-type: none"> Enhance their speaking, listening and writing skills. 	
5	Adjectives	5	<ul style="list-style-type: none"> Tell what adjectives are. Identify adjectives. Fill in the blanks with adjectives. Use Possessive Adjectives correctly. Enhance their speaking and writing skills. Know the difference between Adjectives and Adverbs 	<ul style="list-style-type: none"> Noun Adjective Activity Audio- visual Lecture cum discussion method Learning by doing Toy - pedagogy
6	Relative Pronouns	5	<ul style="list-style-type: none"> Know about Relative Pronouns Use relative pronouns to enhance their language skills 	<ul style="list-style-type: none"> Flash Card Activity Audio-visual Lecture method Learning by doing
7	Simple Past Tense	5	<ul style="list-style-type: none"> know about the positive, negative and interrogative past simple able to use the tense in writing stories 	<ul style="list-style-type: none"> Write a story using the tense Audio-visual Group work Learning by doing
8	Past Continuous Tense	5	<ul style="list-style-type: none"> differentiate between Simple Past and Past Continuous Tense use the tense for writing compositions and stories enhance the literary and writing skills 	<ul style="list-style-type: none"> Write a story using the tense Audio-visual Group work Learning by doing
9	Prepositions	6	<ul style="list-style-type: none"> identify prepositions use correct prepositions to describe a picture enhance their speaking and writing skills know about the Preposition of Time, place and direction 	<ul style="list-style-type: none"> Toy pedagogy Demonstration method Tell the position of different class items
10	Conjunctions	6	<ul style="list-style-type: none"> use conjunctions for joining sentences know about the importance of conjunction enhance their writing skills 	<ul style="list-style-type: none"> Write a story and underline conjunctions in it Join two sentences using appropriate conjunction to make a meaningful sentence Learning by doing Audio-visual Lecture cum discussion
11	Question words	3	<ul style="list-style-type: none"> Usage of how/when/what/which/whose /whom etc. 	<ul style="list-style-type: none"> Frame different questions using the question words demonstration method

			<p>fill the correct question word in blanks</p> <ul style="list-style-type: none"> ● learn to make questions using the words 	
12	Passive voice	7	<ul style="list-style-type: none"> ● know the difference between active/passive voice ● know the rules and usage ● know that tenses and pronouns change while changing a sentence from active to passive voice 	<ul style="list-style-type: none"> ● role play ● write a telephonic conversation using passive voice ● learning by doing ● demonstration method
13	Regular and Irregular verbs	5	<ul style="list-style-type: none"> ● know that verbs are necessary part of a sentence ● know that verbs are regular and irregular ● usage of verbs ● enhance their writing skills 	<ul style="list-style-type: none"> ● Complete a sentence using the verbs ● demonstration method ● group discussion ● flash cards
14	Present perfect simple tense	6	<ul style="list-style-type: none"> ● rules of the tense ● know the usage of the tense ● to enhance their speaking and writing skills ● use the tense for writing compositions 	<ul style="list-style-type: none"> ● Lecture cum demonstration method ● Learning by doing
15	Future tense	6	<ul style="list-style-type: none"> ● rules of the tense ● know the usage of the tense ● to enhance their speaking and writing skills ● use the tense for writing compositions 	<ul style="list-style-type: none"> ● Lecture cum demonstration method ● Learning by doing
16	Punctuation	6	<ul style="list-style-type: none"> ● Know the importance of punctuation marks ● Use punctuation marks in all the subjects ● Use the punctuation marks in writing compositions 	<ul style="list-style-type: none"> ● Demonstration method ● Lecture cum discussion ● Learning by doing ● Use the mystery bag
17	Past Perfect Simple Tense	6	<ul style="list-style-type: none"> ● rules of the tense ● know the usage of the tense ● to enhance their speaking and writing skills ● use the tense for writing compositions 	<ul style="list-style-type: none"> ● Lecture cum demonstration method ● Learning by doing
18	Tag questions	4	<ul style="list-style-type: none"> ● Know the importance of tag questions ● Know the usage of different language sections ● Enhance their speaking and writing skills 	<ul style="list-style-type: none"> ● Lecture method ● Audio-visual ● Learning by doing
19	Use of can/could/be able to/Quantifiers	7	<ul style="list-style-type: none"> ● Usage of given words as well as Quantifiers ● Enhance their language skills ● Enhance their speaking and writing skills 	<ul style="list-style-type: none"> ● Mystery bag ● Lecture method ● Audio-visual ● Learning by doing
20	Present Perfect Continuous	5	<ul style="list-style-type: none"> ● rules of the tense ● know the usage of the tense 	<ul style="list-style-type: none"> ● Lecture cum demonstration method ● Learning by doing

CURRICULUM PLANNER FOR 2023-24
CLASS V

SUBJECT (AI-Artificial Intelligence)

			<ul style="list-style-type: none"> ● to enhance their speaking and writing skills ● use the tense for writing compositions 	
21	Passive-Present Simple/Past Simple	7	<ul style="list-style-type: none"> ● Usage of passive sentence ● Convert the active sentences to passive ● Rules of conversion ● Enhance their language speaking and writing skills 	<ul style="list-style-type: none"> ● Audio-visual ● Demonstration method ● Learning by doing
22	Gerund	7	<ul style="list-style-type: none"> ● Usage of gerunds ● Rules of usage ● Enhance their language speaking and writing skills 	<ul style="list-style-type: none"> ● Audio-visual ● Lecture method ● Learning by doing ● Group discussion
23	Vocabulary	6	<ul style="list-style-type: none"> ● Enhance their vocabulary skills ● Know about one word substitution ● Know about collocations 	<ul style="list-style-type: none"> ● Activity sheets ● Learning by doing ● Dictations

CURRICULUM PLANNER FOR 2023-24
CLASS V
SUBJECT (AI-Artificial Intelligence)

S.No	Name of Chapter	No of Days/ Periods	Learning Outcomes	Methodology
1.	Computer-History and Generations	12Days/ 12 Periods	<ul style="list-style-type: none"> ➤ Understand and learn about early calculating devices ➤ Know about first electro mechanical and electronic computer ➤ Define Personal Computer ➤ Understand about different generations of computers 	<ul style="list-style-type: none"> ➤ Quiz: Related to the topic ➤ Lab Activity:GCompris Family game ➤ Art Integration: Students to create timeline on early calculating machines and evolution of computer
2.	Windows-File Management	12Days/ 12 Periods	<ul style="list-style-type: none"> ➤ Understand the importance of organizing ➤ Define and differentiate between file ,folder and sub folder ➤ Identify the various types of files ➤ List the role of File Explorer in managing files and folders ➤ Change the view of files and folders ➤ Learn about Selecting Files and Folders ➤ Creating,Renaming,Copying, Moving and Deleting Files/Folders 	<ul style="list-style-type: none"> ➤ Quiz: Related to Topic ➤ Lab Activity-Students to create a folder of their name and sub folders of different subjects, then organize file accordingly ➤ Subject Integration: Students to create files for at least any 2 subjects and work on the same
3.	Word-Table and Mail Merge	12Days/ 12 Periods	<ul style="list-style-type: none"> ➤ Recall and Revise features of MS-Word learnt in previous class ➤ Creating a document using various text features ➤ Learn to work with tables ➤ Use and create tables (rows and columns) ➤ Familiar with various table formatting options such as Superscript or Subscript text, Cell shading, Text Alignment in Cell ➤ Know about Mail Merge, its benefits and the steps for the same 	<ul style="list-style-type: none"> ➤ Quiz: Oral Test on Shortcut keys related to the topic ➤ Subject Integration (English) Project on Creating Letter regarding Annual Function award declaration ➤ Lab Activity: (MS Word) Create a table for their own family records
4.	PowerPoint -Creating Presentation	12Days/ 12 Periods	<ul style="list-style-type: none"> ➤ Recall and Revise features of MS-PowerPoint learnt in previous class ➤ Use Themes and Templates in PowerPoint presentation 	<ul style="list-style-type: none"> ➤ Quiz-Related to topic ➤ Subject Integration/Toy Pedagogy(Maths) Presentation on Data handling using Smart Chart

CURRICULUM PLANNER FOR 2023-24

CLASS V

SUBJECT (AI-Artificial Intelligence)

S.No	Name of Chapter	No of Days/ Periods	Learning Outcomes	Methodology
			<ul style="list-style-type: none"> ➤ Learn about different PowerPoint presentation views and how to change them ➤ Use different slide layouts in PowerPoint ➤ Adding Online Picture, Picture, Table, chart, Smart Art and Video ➤ Applying slide transitions and animation effects ➤ Run, Save and print a presentation 	<ul style="list-style-type: none"> ➤ Lab Activity:MS PowerPoint(S/W) Create a presentation on Plants and its types
5.	Excel- Introduction	12Days/ 12 Periods	<ul style="list-style-type: none"> ➤ Familiar with spreadsheet program and its usage ➤ Know about MS-Excel and steps to open it ➤ Identify different parts of Excel window ➤ Differentiate between Workbook and Worksheet ➤ Create and save workbook in Excel ➤ Add worksheet and switch between them ➤ Generate a text and number series using AutoFill option 	<ul style="list-style-type: none"> ➤ Quiz-related to topic ➤ Toy Pedagogy Steps to open Excel and collage on Spreadsheet programs ➤ Lab Activity Excel(S/W) Create a worksheet for class records
6.	Internet- Electronic Mail(E- Mail)	12Days/ 12 Periods	<ul style="list-style-type: none"> ➤ Learn about E-Mail and its history ➤ Differentiate between Postal Mail and E-Mail ➤ List the email programs available ➤ Learn the parts of an e-mail message ➤ Define common email terms ➤ Create an email account ➤ Know about email etiquettes 	<ul style="list-style-type: none"> ➤ Quiz-Related to topic ➤ Art Integration/Toy Pedagogy History of email ➤ Lab Activity Creating an email account and sending a message to teachers and students
7	Programmi ng Basics	12Days/ 12 Periods	<ul style="list-style-type: none"> ➤ Define Programming and steps involved in a computer program ➤ Recall Algorithm and how to write it ➤ Learn about flowchart and steps to create them ➤ Understand the concept of program and computer 	<ul style="list-style-type: none"> ➤ Quiz-Related to the topic ➤ Toy Pedagogy-Classroom Object Pencil(Algorithm and Flowchart on Purchasing a Pencil) ➤ Lab Activity Word S/W Creating an algorithm and flowchart in Word document

CURRICULUM PLANNER FOR 2023-24
CLASS V
SUBJECT (AI-Artificial Intelligence)

S.No	Name of Chapter	No of Days/ Periods	Learning Outcomes	Methodology
			<ul style="list-style-type: none"> programming language ➤ Categorise and List Computer Language ➤ Describe Language Processor and its types 	
8	Scratch 3 Programming	12Days/ 12 Periods	<ul style="list-style-type: none"> ➤ Recall and Revise the blocks covered in previous class ➤ Define Data types and Variables in Scratch ➤ Create Variables in Scratch ➤ Learn about usage of Mathematical Operators ➤ Input Data from user ➤ Understand the concept of Conditional Programming and how to implement it ➤ Apply and Use Repeat Block ➤ Implement broadcasting and receiving message in Scratch 	<ul style="list-style-type: none"> ➤ Quiz related to topic ➤ Toy Pedagogy/Subject Integration(GK) Project on Voting Eligibility ➤ Lab Activity Scratch S/W Story Writing Using Scratch
9	Domains of Artificial Intelligence	12Days/ 12 Periods	<ul style="list-style-type: none"> ➤ Identify applications of AI in various fields ➤ Learn about advantages and disadvantages of AI ➤ Understand the three domains of Artificial Intelligence ➤ Apply knowledge to differentiate between three domains of Artificial Intelligence ➤ Describe three domains of AI 	<ul style="list-style-type: none"> ➤ Quiz-Related to the topic ➤ Toy Pedagogy Smart Watch to be shown and concept of Application of Ai ➤ Lab Activity Semantris(Data) Emoji Scavenger Hunt(Computer Vision) Google voice search (NLP)

CURRICULUM CLASS V
SUBJECT-SCIENCE
SESSION- 2023-24

Sr. No.	Name of Chapter	No. of Periods	Learning Outcomes	Methodology/ Suggested Activities
1.	Growing Plants	14	<p>The learners will be able to-</p> <ul style="list-style-type: none"> ● Identify parts of a seed. ● Define terms like germination and seed dispersal. ● List the different ways of seed dispersal. ● Enumerate the different ways of growing Plants. ● Develop the basic understanding of how crops are grown. ● Draw the seed structure. ● Develop life skills by working as a team. 	<ul style="list-style-type: none"> ● Demonstration method to make students understand about the seed structure. ● Toy pedagogy will be used to show various stages of agriculture by using puppets and toys of agricultural tools. ● Audio-visual method ● Research on Rabi and kharif crops grown in the state where you live. ● Quiz method
2.	Health and Hygiene	13	<ul style="list-style-type: none"> ● Discuss the essential components of food and their sources. ● Recognize the importance of a balanced diet. ● Explain the reasons behind deficiency diseases. ● Differentiate between communicable and non communicable diseases. 	<ul style="list-style-type: none"> ● Demonstration method to show the presence of starch and fats in different food items. ● Lecture – cum – discussion method ● Audio-visual method ● Quiz method ● Project method ● Group discussion

Sr. No.	Name of Chapter	No. of Periods	Learning Outcomes	Methodology/ Suggested Activities
			<p>The learners will be able to-</p> <ul style="list-style-type: none"> ● Create awareness about communicable diseases. ● Suggest ways of keeping healthy and fit. ● Recall the ways to maintain good health and hygiene. 	
3.	Safety and First Aid	13	<ul style="list-style-type: none"> ● Apply safety rules when at home, in school and on the road. ● List the ways that can be followed to prevent fire. ● Enumerate the first aid given for different kinds of injuries. ● Recall the safety measures that should be taken to avoid accidents. ● Recognize and draw safety signs that should be followed on the road. ● Develop life skills by knowing the importance of first aid. 	<ul style="list-style-type: none"> ● Story telling ● Toy pedagogy will be used to make students understand how to use a first aid kit in various emergency situations by using a first aid box and a doll. ● Role play method to depict first aid to be given in various accidental situations. ● Audio-visual method ● Research on safety rules and technologies adopted by developed countries to minimize the rate of road accidents.

Sr. No.	Name of Chapter	No. of Periods	Learning Outcomes	Methodology/ Suggested Activities
4.	Solids, Liquids and Gases	13	<p>The learners will be able to-</p> <ul style="list-style-type: none"> ● Explain that matter is made up of particles. ● Describe the three states of matter. ● Explain how solutions are formed. ● Differentiate between physical and chemical changes. ● Recall the change of state. ● Know about expansion and contraction of matter. ● Enhance their science vocabulary. ● Develop scientific temperament and thinking skills. 	<ul style="list-style-type: none"> ● Toy pedagogy will be used to explain properties like volume, hardness, shape, molecular structure, compressibility of three states of matter by using samples of some solid, liquid and gaseous things. ● Demonstration method to show change of states of matter and various physical and chemical changes. ● Audio-visual method ● Quiz method ●
5.	Rocks and Minerals	13	<ul style="list-style-type: none"> ● Classify rocks into different types and list examples of each type. ● Describe the process by which different types of rocks are formed. ● Distinguish between metallic and non-metallic minerals. ● Appreciate the uses of rocks and minerals. ● Recognize coal and petroleum as fossil fuels. ● Understand the need to conserve natural resources. ● Suggest ways to conserve natural resources. 	<ul style="list-style-type: none"> ● Toy pedagogy will be used to explain students about the mineral content of different rocks by using a magnifying glass and some rock samples of different types. ● Audio-visual method ● Lecture – cum – discussion method ● Quiz method ●

Sr. No.	Name of Chapter	No. of Periods	Learning Outcomes	Methodology/ Suggested Activities
6.	Soil Erosion and Conservation	13	<p>The learners will be able to-</p> <ul style="list-style-type: none"> ● Recognize the importance of soil. ● Describe the process of formation of soil. ● Enumerate the uses of soil. ● Tell the composition of soil. ● Describe soil profile. ● Define soil erosion and soil conservation. ● List different agents of soil erosion. ● List causes of soil. ● Understand the methods adopted to check soil erosion. ● Suggest ways of soil conservation. ● Develop reading, writing and drawing skills. ● Develop their communication skills by participating in group discussions. 	<ul style="list-style-type: none"> ● Toy pedagogy will be used to make students understand the soil structure of different types of soil using soil samples, magnifying glass. ● Demonstration method to show composition of garden soil . ● Audio-visual method ● Lecture – cum – discussion method ● Observation method ● Quiz ● Research on Green Revolution.

Sr. No.	Name of Chapter	No. of Periods	Learning Outcomes	Methodology/ Suggested Activities
7.	Amazing Animals	13	<p>The learners will be able to-</p> <ul style="list-style-type: none"> ● Define the terms like environment and habitat. ● Explain the features that help animals survive in their habitats. ● Analyze the body coverings and movement of different animals. ● Describe the breathing in different animals. ● Identify the mouth parts of animals based on their feeding habits. ● Recognize special behaviors of some animals. ● List the reasons for migration in animals and birds. ● Develop knowledge skill by doing research work. ● Develop creative skills by designing their own imaginary animal suited to live in a habitat of their choice. 	<ul style="list-style-type: none"> ● Role Play method to depict eating habits of different animals. ● Project method ● Audio-visual method ● Quiz
8.	Skeletal System and Nervous System	25	<ul style="list-style-type: none"> ● List the functions of the skeleton. ● Label parts of the skeleton and explain their importance. ● Locate different types of joints in their body. 	<ul style="list-style-type: none"> ● Toy pedagogy will be used to explain students about the different bones in a skeletal system using a model of human skeleton. ● Demonstration method ● Audio-visual method

Sr. No.	Name of Chapter	No. of Periods	Learning Outcomes	Methodology/ Suggested Activities
			<p>The learners will be able to-</p> <ul style="list-style-type: none"> ● Classify muscles as voluntary and involuntary. ● Suggest ways to take care of our bones and muscles. ● Explain the importance of nervous system. ● Recognize the parts of the nervous system and list their functions. ● Differentiate between different types of nerves. ● Examine the usefulness of the sense organs. ● Develop scientific attitude and communication skills by participating in group discussion. 	<ul style="list-style-type: none"> ● Group discussion ● Quiz ● To research on a part of the body which can not be transplanted and why?
9.	Force, Work and Energy	22	<ul style="list-style-type: none"> ● Know what is force. ● Understand the effects of force. ● List types of force. ● Recognize the situations in which work is done. ● Summarize different forms of energy. ● Identify different types of simple machines and recognize their uses. ● Differentiate between simple and compound machines. ● Develop their observational skills. 	<ul style="list-style-type: none"> ● Demonstration method to show different types of forces and effects of force by using different objects like paper, water, ball, comb, magnet etc. ● Problem- solving method ● Observation method ● Audio-visual method ● Quiz

Sr. No.	Name of Chapter	No. of Periods	Learning Outcomes	Methodology/ Suggested Activities
10.	Essentials for life: Air and Water	18	<p>The learners will be able to-</p> <ul style="list-style-type: none"> ● Define the terms like atmosphere, humidity, evaporation and respiration. ● Explain the importance of atmosphere. ● List the various layers of atmosphere. ● Demonstrate the properties of air. ● Distinguish between soluble and insoluble impurities. ● Suggest the methods by which impurities can be removed from water. ● Describe the process of purifying water. ● Develop scientific temperament and observational skills. ● Develop critical skills. 	<ul style="list-style-type: none"> ● Toy pedagogy to make students understand the different properties of air by using a balloon, a glass of water, a wooden stick etc. ● Demonstration method to show removal of impurities from water. ● Lecture – cum – discussion method ● Audio-visual method ● Observation method ● Quiz
11.	Moon and Artificial Satellites	19	<ul style="list-style-type: none"> ● Describe the surface of moon in detail. ● Provide reasons for the phases of the moon. ● Explain the formation of solar and lunar eclipse. ● Name the natural and artificial satellites. ● Talk about the various uses and functions of artificial satellites. ● Develop analytical and knowledge skills. 	<ul style="list-style-type: none"> ● Story telling ● Lecture – Cum – Discussion method ● Demonstration method to show solar and lunar eclipse. ● Problem solving method ● Audio-visual method ● Quiz

Sr. No.	Name of Chapter	No. of Periods	Learning Outcomes	Methodology/ Suggested Activities
12.	Natural Disasters	16	<p>The learners will be able to-</p> <ul style="list-style-type: none"> ● Recognize various natural calamities. ● Explain why earthquakes occur. ● List the effects of an earthquake. ● Recall the reasons for the Japan earthquake 2011. ● Explain a volcanic eruption. ● Understand the terms lava, magna, epicenter and seismograph. ● Appreciate the reasons- scientific, cultural and technological to study the Tsunami. ● Develop life skills. 	<ul style="list-style-type: none"> ● Lecture – cum – discussion method ● Mock drill to prepare students to save life during //:earthquake. ● Audio-visual method ● Quiz ● To research on early warning systems of natural disasters.
13.	Our Environment and Natural Resources	15	<ul style="list-style-type: none"> ● Know different types of pollution and pollutants. ● Describe greenhouse effect and its impact. ● Create awareness about global warming. ● Suggest ways to slow down global warming. ● Know natural resources and ways to conserve them. ● Develop drawing and creative skills by making poster on reducing different types of pollution. 	<ul style="list-style-type: none"> ● Story telling ● Lecture – cum – discussion method ● Audio-visual method ● Project method ● Quiz

CLASS -5**CURRICULUM PLANNER FOR 2023-24****SUBJECT: MATHEMATICS**

SNO.	NAME OF CHAPTER	NO.OF PERIODS/ DAYS	LEARNING OUTCOMES	METHODOLOGY
1.	More on large number	15	<p>The students will be able</p> <ul style="list-style-type: none">• To read and write numbers in the Indian and International system of Numeration• To find the place value and face value of digits in larger numbers using Indian place value chart and International place value chart.• To compare numbers and arrange them in ascending or descending order.• To find the predecessor and successor of a number.• To round off the numbers• To understand roman numerals in detail	<ul style="list-style-type: none">• Draw place value charts of Indian system and International system.• Research work- on rounding off• Collect at least 5 bills and round off their amount and compare it with actual amount.
2.	Operation on Numbers	14	<p>The students will be able</p> <ul style="list-style-type: none">• To add and subtract large numbers and learn their practical application in our daily lives.• The properties of addition and subtraction• To multiply and divide large numbers and learn their practical applications in our daily lives.• The properties of multiplication and division.• To estimate addition, subtraction, multiplication and division.	<ul style="list-style-type: none">• Story telling activity to frame 2 step story problem.• Snake and ladder game to learn addition and subtraction mentally.• Number card activity to learn properties of addition and subtraction.• Framing of story problems on number sentences with one or more operations.• Number card activity to frame the numbers and to multiply them• Story framing activity to know where and how to use 3 operations (+,-,X)
3.	Factors and Multiples	14	<p>The students will be able</p> <ul style="list-style-type: none">• To define factors and multiples.• To find factors and multiples of different numbers.• To find common factors and	<ul style="list-style-type: none">• Finding prime and composite from 1 to 100 by Sieve of Eratosthenes.

			<p>common multiples of two or more numbers.</p> <ul style="list-style-type: none"> To define and classify various numbers into prime, composite, co-prime and twin prime. Various divisibility rules. To find the highest common factor (HCF) and its application in real life. To find least common multiple (LCM) and its application in real life. 	<ul style="list-style-type: none"> Finding L.C.M of 2 numbers by storing telling and using Ganit Mala.
4.	Fraction	15	<p>The students will be able</p> <ul style="list-style-type: none"> To find Equivalent fractions and changing fractions into equivalent like fractions. To compare like and unlike fractions. To add and subtract like and unlike fractions. To multiply fractions. To find the reciprocal of a fraction. To divide fractions. 	<ul style="list-style-type: none"> Demonstration by Introducing of fractions through fraction Kit and discussion on comparison, addition and subtraction of like fractions.
5.	Decimal	15	<p>The students will be able</p> <ul style="list-style-type: none"> To understand the Concept of thousandths. To add and subtract decimals. To multiply decimals when multiplier is a whole number or a decimal. To multiply decimals when multiplier is 10, 100 or 1000. To divide decimals when multiplier is a whole number or a decimal. To divide decimals when multiplier is 10, 100 or 1000. 	<ul style="list-style-type: none"> Demonstration of decimals through Dienes Block and discussion on addition and subtraction. Activity- Draw place value chart for decimal numbers
6.	Percentage	12	<p>The students will be able to</p> <ul style="list-style-type: none"> To define percentage. To convert fraction and decimal into percentage. To convert percentage into fraction and decimal. To find the percentage of given quantities. To find what percent one number is of another. To solve real- life problems related to percentages 	<p>Activity-</p> <ul style="list-style-type: none"> Collect 5 discount tags from different shops and calculate that % on Rs 500. Show your work on A4 sheets (or notebook).
7.	Geometry	15	<p>The students will be able</p> <ul style="list-style-type: none"> To understand the Concept of Parallel lines, Perpendicular lines and Intersecting lines. 	<p>Activity-</p> <ul style="list-style-type: none"> Formation of angles using Jodo straws and understanding its

			<ul style="list-style-type: none"> To understand Angles and types of angles. To measure and construct angles using a protractor. 	<p>components.</p> <p>Types of Angles through Jodo straws.</p>
8.	Measurement	20	<p>The students will be able</p> <ul style="list-style-type: none"> To understand Standard units of measurement and metric system. To convert various units of lengths, mass and capacity. To add, subtract, multiply and divide lengths, mass and capacity. To solve real life problems related to measurement units. 	<p>Activity-</p> <ul style="list-style-type: none"> Drawing of conversion chart for all types of measurements.
9.	Perimeter and Area	15	<p>The students will be able</p> <ul style="list-style-type: none"> To find the perimeter of the square, rectangle and triangle. To find the area of rectangle and square To find area of the regular and irregular shapes drawn on grid To solve real life problems related to perimeter and area 	<p>Activity-</p> <ul style="list-style-type: none"> Measurement of the perimeter of the table top using thread and then verify it using the formula of finding the perimeter of rectangle Square paper activity to find perimeter and area of irregular shapes List 5 activities each where area and perimeter needs to be found to understand difference between area and perimeter Pasting of a big leaf on a square paper and finding its area.
10.	Symmetry & Patterns	12	<p>The students will be able to understand</p> <ul style="list-style-type: none"> line of symmetry the concept of symmetrical and asymmetrical figures. the concept of reflection. what forms a pattern. how to form a pattern by turning. what a net is. How to identify the different views of a solid 	<p>Activity-</p> <ul style="list-style-type: none"> Finding out number of lines of symmetry of 2D shapes using cutouts of 2D shapes. Finding the types of line of symmetry in Alphabets using alphabet cutouts. Demonstrate concept of turns through cutout of any 2D shape (or alphabet).

11.	Volume & Nets	14	<p>The students will be able</p> <ul style="list-style-type: none"> To calculate the volume of cuboid and cube To draw the nets of solid shapes To understand the top view, side view and front view of a 3-D figure 	<ul style="list-style-type: none"> Demonstration of the space occupied by an object in a beaker filled with water and hence to find out the volume of that object. Activity- Folding of nets of closed and open cubical and cuboidal boxes.
12.	Time & Temperature	15	<p>The students will be able</p> <ul style="list-style-type: none"> To convert different units of time. To add and subtract various units of time. To find the starting time and finishing time. To find the starting date and finishing date. To define temperature and thermometer. To understand different scales to measure temperature. To read the Celsius scale thermometer, Fahrenheit scale thermometer and Clinical thermometer. 	<p>Activity-</p> <ul style="list-style-type: none"> Draw time line of one of your day and find duration of the activities performed by you on that particular day. Use clinical thermometer to measure the temperature of the following liquids that are Hot tea, Tap water, Cold drink. And convert the temperature into the other scale.
13.	Money	15	<p>The students will be able</p> <ul style="list-style-type: none"> To understand the conversion of rupees into paise and vice Versa. To understand the concept of unitary method. To do the addition and subtraction of money. To do the multiplication and division of money. To find cost price and selling price. To create bills 	<ul style="list-style-type: none"> Demonstration of at least 2 different objects to explain the concept of better buy and unitary Method. Activity- Finding out errors in the given bill.
14.	Data Handling	15	<p>The students will be able</p> <ul style="list-style-type: none"> To understand what data is. To understand the concept of tally marks. To read and analyse pie chart and line graph To represent data on a frequency table, pie chart and line graph 	<ul style="list-style-type: none"> Activity- Collect data of the size of shoes worn by students of your class and then organizing it in the form of Tally Marks and representing it a line graph.

CLASS -5**CURRICULUM PLANNER FOR 2023-24****SUBJECT : ENGLISH**

SN O.	NAME OF CHAPTER	NO.OF PERIODS/ DAYS	LEARNING OUTCOMES	METHADODOLOGY
1.	A Little Princess	5	<ul style="list-style-type: none">• understand the story and attempt reference to the context,factual and inferential questions about the lesson• understand and use the pronous, articles properly• express gratitude	<ul style="list-style-type: none">• Story telling and writing• Audio-Visual• Toy-Pedagogy• Puppet of princess
2.	A Gulliver' s travel	5	<ul style="list-style-type: none">• understand the story and attempt reference to the context,factual and inferential questions about the lesson• think of words associated with the topic and complete the word web• talk about camping	<ul style="list-style-type: none">• Story telling• Research work• Audio – visual• Picture composition
	Poem: from a railway carriage	5	<ul style="list-style-type: none">• understand the poem• attempt factual and inferential questions based on the poem• understand rhyming words and come up with rhyming words of their own• understand and identify similie,alliterations used in the poem	<ul style="list-style-type: none">• Audio-visual• Group work
3	Manu mixes clay and sunshine	5	<ul style="list-style-type: none">• understand the story and attempt reference to context, factual and inferential questions about the lesson• understand and use one- word substitution• compare two pictures and tell about them.(picture task)• learn new vocabulary and use it in sentences.	<ul style="list-style-type: none">• Story telling• Role play• Audio-visual• Lecture cum discussion method• Informal letters

4.	Ms Dhoni sixer on Leadership	8	<ul style="list-style-type: none"> • understand and comprehend the story • learn words related to sports • learn to express their views in future tenses • learn new vocabulary • learn comparison of adjectives and adverbs • Importance of leadership • use modals in sentences • compare two pictures and tell about them.(picture task) 	<ul style="list-style-type: none"> • Story telling • Role play • Audio visual • Lecture cum demonstration • Poster
5.	Being brave at night	5	<ul style="list-style-type: none"> • understand the story and attempt reference to context, factual and inferential questions about the lesson • understand and use topic vocabulary • enhance their writing skills. 	<ul style="list-style-type: none"> • Research work • Lecture cum discussion method • Learning by doing • Toy – pedagogy • Poster
6.	The hare who would not be king	5	<ul style="list-style-type: none"> • understand the story and attempt reference to context, factual and inferential questions about the lesson • understand and use conditionals • understand and use chapter vocabulary • talk about various character traits. • listen and choose the correct answer 	
	Poem: The Champa flower	4	<ul style="list-style-type: none"> • understand the poem • attempt factual and inferential questions based on the poem • understand and identify rhyming words 	<ul style="list-style-type: none"> • Audio-visual • Class discussion • Toy pedagogy
7.	King Soloman' s Mines	5	<ul style="list-style-type: none"> • understand the story and attempt reference to context, factual and inferential questions about the lesson • learn about trasure • understand and use topic vocabulary and nesting words • understand and use active and passive voice • able to solve word web 	<ul style="list-style-type: none"> • Role play • Audio-visual • Story telling • Discussion method • Email writing

8.	Chipko takes root	5	<ul style="list-style-type: none"> • understand the story and attempt reference to context, factual and inferential questions about the lesson • understand and use topic vocabulary and nesting words • talk about wish statements • able to express opinions • listen and mark true or false. 	<ul style="list-style-type: none"> • Role play • Audio-visual • Story telling • Discussion method
	Poem: Old man with a beard	4	<ul style="list-style-type: none"> • understand the poem • attempt factual and inferential questions based on the poem • understand and identify rhyming words 	<ul style="list-style-type: none"> • Audio-visual • Class discussion • Toy pedagogy

	Poem- being brave at night	4	<ul style="list-style-type: none"> • understand the poem • attempt factual and inferential questions based on the poem • understand and identify rhyming words 	<ul style="list-style-type: none"> • Audio-visual • Class discussion • Toy pedagogy
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9	The Swiss family Robinson	5	<ul style="list-style-type: none"> • understand the story in a dialogue form • attempt factual and inferential questions • understand the moral of the story • use various vocabulary words 	<ul style="list-style-type: none"> • Audio-visual • Collaborative Group work • Toy pedagogy • Leave application • Notice
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ENGLISH LANGUAGE**CLASS V****CURRICULUM**

SNO.	NAME OF CHAPTER	NO.OF PERIOD S/ DAYS	LEARNING OUTCOMES	METHADODOLOGY
1.	Nouns and its types	7	<ul style="list-style-type: none">• Difference between abstract and concrete noun• Differentiate between common and proper nouns• Know about the usage of possessive nouns• Understand correct subject-verb agreement in relation to collective nouns	<ul style="list-style-type: none">• Demonstration method• Audio-visual• Lecture cum discussion
3	Articles	5	<ul style="list-style-type: none">• Tell about vowels and consonants.• Differentiate between definite and indefinite articles.• Use articles correctly.• Enhance their speaking and writing skills.	<ul style="list-style-type: none">• Audio-visual• Discussion method• Toy pedagogy
4	Present Simple Tense	4	<ul style="list-style-type: none">• Understand that simple present tense is used to describe routine, habits, general truth, and is permanent.• Use simple present tense properly in context.• Share information about their daily routine and even their friends' routine.• Enhance their speaking and writing skills.	<ul style="list-style-type: none">• Learning by doing• Audio-visual• Demonstration method
5	Present continuous tense	4	<ul style="list-style-type: none">• Tell about present continuous verb.• Recognize the present continuous verb.• Use present continuous verb in a sentence.• Differentiate between simple present and present continuous tense.• Enhance their speaking, listening and writing skills.	<ul style="list-style-type: none">• Learning by doing• Audio-visual• Demonstration method
6	Adjectives	4	<ul style="list-style-type: none">• Tell what adjectives are.• Identify adjectives.• Fill in the blanks with adjectives.• Use possessive adjectives	<ul style="list-style-type: none">• Audio- visual• Lecture cum discussion method• Learning by doing• Toy - pedagogy

			<p>correctly.</p> <ul style="list-style-type: none"> Enhance their speaking and writing skills. Know the difference between adjectives and adverbs 	
7	Relative pronouns	4	<ul style="list-style-type: none"> know about relative pronouns use relative pronouns to enhance their language skills 	<ul style="list-style-type: none"> Audio-visual Lecture method Learning by doing
8	Simple Past Tense	4	<ul style="list-style-type: none"> know about the positive, negative and interrogative past simple able to use the tense in writing stories 	<ul style="list-style-type: none"> Audio-visual Group work Story telling Learning by doing
9	Past Continuous Tense	4	<ul style="list-style-type: none"> differentiate between Simple Past and Past Continuous Tense use the tenses for writing compositions and stories enhance the literary and writing skills 	<ul style="list-style-type: none"> Audio-visual Group work Story telling Learning by doing
10	Prepositions	5	<ul style="list-style-type: none"> identify prepositions use correct prepositions to describe a picture enhance their speaking and writing skills know about the Preposition of Time, place and direction 	<ul style="list-style-type: none"> Toy pedagogy Demonstration method Learning by doing
11	Conjunctions	5	<ul style="list-style-type: none"> use conjunctions for joining sentences know about the importance of conjunction enhance their writing skills 	<ul style="list-style-type: none"> Learning by doing Audio-visual Lecture cum discussion

12	Future tense i) future simple ii) future continuous	6	<ul style="list-style-type: none"> Use the 'ing' form of verbs to describe actions as they would be happening at some time in the future. Use future continuous forms appropriately. Apply rules to make a sentence in future continuous tense. Use future continuous tense in interrogative and negative sentences. 	<ul style="list-style-type: none"> Learning by doing Audio-visual Demonstration method
13	Present perfect and present perfect continuous tense	6	<ul style="list-style-type: none"> Understand several situations in which present perfect tense is necessary to use. Distinguish between present perfect and present perfect 	<ul style="list-style-type: none"> Learning by doing Audio-visual Demonstration method

			<p>continuous.</p> <ul style="list-style-type: none"> • Create sentences relevant to their own lives which put present perfect tense to use.. 	
14	Past simple, past perfect simple	7	<p>Students will be able to:</p> <ul style="list-style-type: none"> • practise the past simple, use the past perfect to show that a completed action happened at an unspecified time before another completed action, • use the past perfect to show that an action was always or never true until another completed action took place in the past, • use “ hadn’ t + been” with adjectives in the past perfect, • understand when to use the past simple or the past perfect, • use <i>before</i>, <i>after</i>, and <i>until</i> to connect the past perfect and present simple in a sentence, • use <i>never</i> and <i>ever</i> with the past perfect. 	<ul style="list-style-type: none"> • Learning by doing • Audio-visual • Demonstration method
15	Reflexive pronoun	5	<ul style="list-style-type: none"> • Students will identify reflexive pronouns easily. • Use them in their own sentences 	<ul style="list-style-type: none"> • Riddle method • Learning by doing • Video link

16	Modals and semi modals	7	<ul style="list-style-type: none"> • To explore the functions of modal verbs. • To be able to explain how changing the modal verb can change the meaning of the sentence. • To use modal verbs accurately to convey meaning 	<ul style="list-style-type: none"> • Video link • Demonstration method • Audio visual method
17	Gerunds	6	<ul style="list-style-type: none"> • Identify the gerund in the English language. • Correctly form a gerund from an infinitive verb. • Use gerunds in English language conversation. 	<ul style="list-style-type: none"> • Video link • Demonstration method • Audio visual method
18	Passive - All tenses	7	<ul style="list-style-type: none"> • Distinguish between active and 	<ul style="list-style-type: none"> • Video link

			<p>passive voice in sentences.</p> <ul style="list-style-type: none"> • Understand why active or passive voice is appropriate to use in certain contexts. • Create sentences in the active and passive voice. 	<ul style="list-style-type: none"> • Smart class • Various eating objects as toy pedagogy
19	Conditionals	7	<ul style="list-style-type: none"> • Discuss and illustrate the concept of the word if. • Use first conditional sentences to describe an image. • Match condition and result clauses from the movie. • Listen for missing words to complete conditional or time clause sentences from the movie. 	<ul style="list-style-type: none"> • Video link • Demonstration method • Audio visual method
20	Indirect speech	8	<ul style="list-style-type: none"> • define 'indirect speech' • explain when indirect speech would be used. • convert direct speech to indirect speech in different tenses. • use reported speech correctly in oral discussion 	<ul style="list-style-type: none"> • Demonstration method • Audio-visual • Lecture cum discussion
21	Causative	7	<ul style="list-style-type: none"> • Usage of causative verbs • Meaning of causative verb • Types of causative verb • differentiate between various causative verbs. 	<ul style="list-style-type: none"> • Demonstration method • Audio-visual • Lecture cum discussion
22	Adverbs	7	<ul style="list-style-type: none"> • meaning of adverbs • use adverbs in sentences. • Students will identify and use adverbs as modifiers to express time, place, manner, degree, and frequency. 	<ul style="list-style-type: none"> • Demonstration method • Audio-visual • Lecture cum discussion
23	Interjections	6	<ul style="list-style-type: none"> • identify an interjection. • understand how to use an interjection properly. • know several common interjections and their typical uses. 	<ul style="list-style-type: none"> • Demonstration method • Audio-visual • Lecture cum discussion • Video link
24	Punctuation	6	<ul style="list-style-type: none"> • differentiate between common punctuation marks. • demonstrate an understanding of punctuation through correct usage. • identify when each punctuation mark (period, exclamation point, question mark, comma and quotation marks) is 	<ul style="list-style-type: none"> • Demonstration method • Audio-visual • Lecture cum discussion • Video link • Flash cards

			needed.	
25	Subject-verb agreement	6	<ul style="list-style-type: none"> • Identify the parts of a sentence (subject and verb). • List and explain the basic rules of subject-verb agreement. • Examine and discover the agreement of subject and verb in a sentence. • Explain the organisation of subject and verb in a sentence pattern 	<ul style="list-style-type: none"> • Demonstration method • Audio-visual • Lecture cum discussion
26	Vocabulary	4	<ul style="list-style-type: none"> • Provide students with skills/opportunities to learn words independently. • Teach students the meanings of specific words. • Nurture a love and appreciation of words and their use. 	<ul style="list-style-type: none"> • Demonstration method • Audio-visual • Lecture cum discussion
27	Reading comprehension	3	<ul style="list-style-type: none"> • gather relevant information regarding English text <ul style="list-style-type: none"> • to activate and reinforce the writing, grammar, vocabulary, and punctuation skills of the student 	<ul style="list-style-type: none"> • Audio-visual • Lecture cum discussion

CLASS -5**CURRICULUM PLANNER FOR 2023-24****SUBJECT: Social science**

SNO.	NAME OF CHAPTER	NO.OF PERIODS/ DAYS	LEARNING OUTCOMES	METHADODOLOGY
1.	The globe and the map	12	The students will be able <ul style="list-style-type: none">• To define the equator, the poles and the northern and Southern hemispheres.• To define globe and identify bodies of land and water on a globe.• To compare and contrast the characteristics of globes and maps.	<ul style="list-style-type: none">• Comparison between 2D and 3D models with the help of map and globe.• Use of key features in map.• Locate continents and Oceans in world map
2.	Globe latitude and longitude	12	The students will be able <ul style="list-style-type: none">• To understand a location of particular place using globe.• To know about latitude and parallel and longitude and meridians.• To understand the concept of equator,prime meridian and grid.	<ul style="list-style-type: none">• Map activity to identify the location of a place easily.• Grid activity using different colours of wool.• Draw diagram of latitudes and longitudes on A4 sheet.
3.	Weather and climate	12	The students will be able <ul style="list-style-type: none">• Compare and contrast between weather and climate• To explain the factors that determine climate.• To to explain how these factors work together to determine regional climates.	<ul style="list-style-type: none">• To record the weekly temperature of a particular place for day and night.• Activity using prop to demonstrate different seasons.• Activity using props to demonstrate land breeze and Sea breeze.

4.	The tropical deserts	12	<p>The students will be able</p> <ul style="list-style-type: none"> To define desert, Bedouins and their traditional way of life. To understand the importance of Oasis in desert. To define sand dunes, sand storms. 	<ul style="list-style-type: none"> Activity on colourful sheet showing the habitat of camel in desert. Location of important deserts using map.
5.	The equatorial region democratic republic of Congo	12	<p>The students will be able</p> <ul style="list-style-type: none"> To know about the equatorial region. To know about the climate change global warming. To get the knowledge of vegetation wildlife water and mineral resources. 	<ul style="list-style-type: none"> Map of Africa to be discussed. Picture activity of pygmies. Picture activity of Congo river.
6.	The temperate grasslands	12	<p>The students will be able to</p> <ul style="list-style-type: none"> To know the importance of rivers. To identify the location of prairies, industries, cattle rearing of prairies. 	<p>Activity-</p> <ul style="list-style-type: none"> Debate on various issues of grasslands. Map activity showing grasslands.
7.	The land of ice and snow (Greenland)	12	<p>The students will be able</p> <ul style="list-style-type: none"> To define Greenland its vegetation and wildlife. To get the knowledge about heat zones of the earth. To know about their regional habitats their culture occupation food and transport system. 	<p>Activity-</p> <ul style="list-style-type: none"> Collect the pictures of vegetation and wildlife. Solve the crossword with the help of clues.
8.	Environmental pollution	12	<p>The students will be able</p> <ul style="list-style-type: none"> To know about the environment, pollution To identify the factors affecting the environment through pollution 	<p>Activity-</p> <ul style="list-style-type: none"> Drawing on 3 R's. Planting of saplings in houses and nearby areas. Activity on Blue bin

			<ul style="list-style-type: none"> To to understand the precautions and measures regarding pollution 	<p>and green bin.</p> <ul style="list-style-type: none"> Make compost bin using dried leaves and flowers and use it as manure for garden or potted plants.
9.	Natural disasters	12	<p>The students will be able</p> <ul style="list-style-type: none"> To define disasters Know about types of disasters To understand the role of individual and community during natural disasters. 	<p>Activity-</p> <ul style="list-style-type: none"> List five places where earthquake occurred this year. How to make yourself safe during disasters.
10.	The world of growing knowledge	12	<p>The students will be able to understand</p> <ul style="list-style-type: none"> The story of writing with the help of script. The story of different numbers with the help of different languages. Know about the story of paper invention of printing and braille script. 	<p>Activity-</p> <ul style="list-style-type: none"> Communication with the help of expressions as a game activity. Write a sentence in 5 different font styles and mention the name of the font style.
11.	The age of machines	12	<p>The students will be able</p> <ul style="list-style-type: none"> To know about discovery of metal To know about the invention of steam engine To know about the fuels to run machine to know about the alternative sources of energy 	<ul style="list-style-type: none"> Five drawings to demonstrate the usage of solar energy Quiz based on sources of energy.
12.	Living longer and healthier	12	<p>The students will be able</p> <ul style="list-style-type: none"> To know about medical gadgets, life saving drugs and vaccination To know about the concept of pasteurization To know about basic healthcare rules to prevent diseases 	<p>Activity-</p> <ul style="list-style-type: none"> Prepare a wall hanging demonstrating how to keep cleanliness and disease free. Prepare a first aid kit

				using bandages, antiseptic ointment, scissor, dettol, doctor tape etc.
13.	Some people never die	12	<p>The students will be able</p> <ul style="list-style-type: none"> To know about Socrates and Abraham Lincoln and there works with contribution To know about Mahatma Gandhi, Mother Teresa, Karl Marx, Martin Luther and their contribution 	<ul style="list-style-type: none"> Activity- role play using flash cards for anyone of the personalities discussed in the class. Discussion activity on "My Aim in Life".
14.	Keeping in touch	12	<p>The students will be able</p> <ul style="list-style-type: none"> To know about the communication services To understand the types of communication To know about the uses of various types of communication 	<ul style="list-style-type: none"> Activity- Prepare an advertisement for any useful object on A3 or A4 sheet. Debate activity on the topic "Internet" :- good or bad for humanity.
15.	Conquering distances		<p>The students will be able to Know about the transportation Know about the types of transport Know about the advantages and disadvantages of them</p>	<ul style="list-style-type: none"> Activity Prepare anyone type of transport using waste material like wooden sticks, icecream sticks, straws etc
16	Struggle towards freedom		<p>The students will be able to Learn about East India company know about battle of Buxar and battle of Plassey Know about expansion of British power Discontent among Indians Revolt of 1857 and its failures.</p>	<ul style="list-style-type: none"> Activity Role play for anyone of the famous leader Map activity main centres of the revolt of 1857 To watch the serial Swaraj on DD National
17	India wins freedom		<p>Students will be able to know About the partition of Bengal Learn about Swadeshi and boycott movements Role of Mahatma Gandhi to seek freedom Jalianwala Bagh massacre, quit India movement, civil disobedience movement, non cooperation movement</p>	<ul style="list-style-type: none"> Activity Make a flowchart from British Raj to India wins freedom Skit on Indian National army. Quiz based on movements started by Gandhi
18	The birth of		The students will be able to know	<ul style="list-style-type: none"> Activity

	the United Nations		<p>About industrial revolution</p> <p>About World war 1 and World war 2</p> <p>About the United nation and their symbols</p>	<ul style="list-style-type: none"> • Prepare a flag for UN • Prepare a report on disadvantages of war • Be a journalist for a day and conduct interview who are working in shops and restaurants in your area.
19	The working of the United Nations		<p>The students will be able to know About the major organs of UN About general assembly</p> <p>Security council</p> <p>International court of justice</p> <p>About the agencies of UN in which UNESCO, UNICEF ,WHO ,FAO, ILO. About the achievements of UN</p>	<ul style="list-style-type: none"> • Activity • Prepare cards showing how UNESCO or UNICEF work for welfare of children • Prepare a report on how WHO makes people aware about health and welfare.