



GATEWAY
INTERNATIONAL SCHOOL

GRADE 4

**ANNUAL LEARNING
PROGRESSION**



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PROPEL THY LEARNING

HOW ARE GRADE 4 CHILDREN LIKE?

It is important to know your child well. This helps you understand and relate to him/her better. It also enables you to support his/her learning in the best way he/she can learn.



FINDING A NICHE

Fourth graders straddle two worlds. In one world, they may be advanced and independent learners who can use their new abilities to express themselves in exciting ways. In the other, they may have a hard time managing all the work that is expected of them. Fortunately, at this time children begin to find their academic niche. They prefer to spend time doing things that interest them, i.e., where they have the maximum confidence in their abilities.

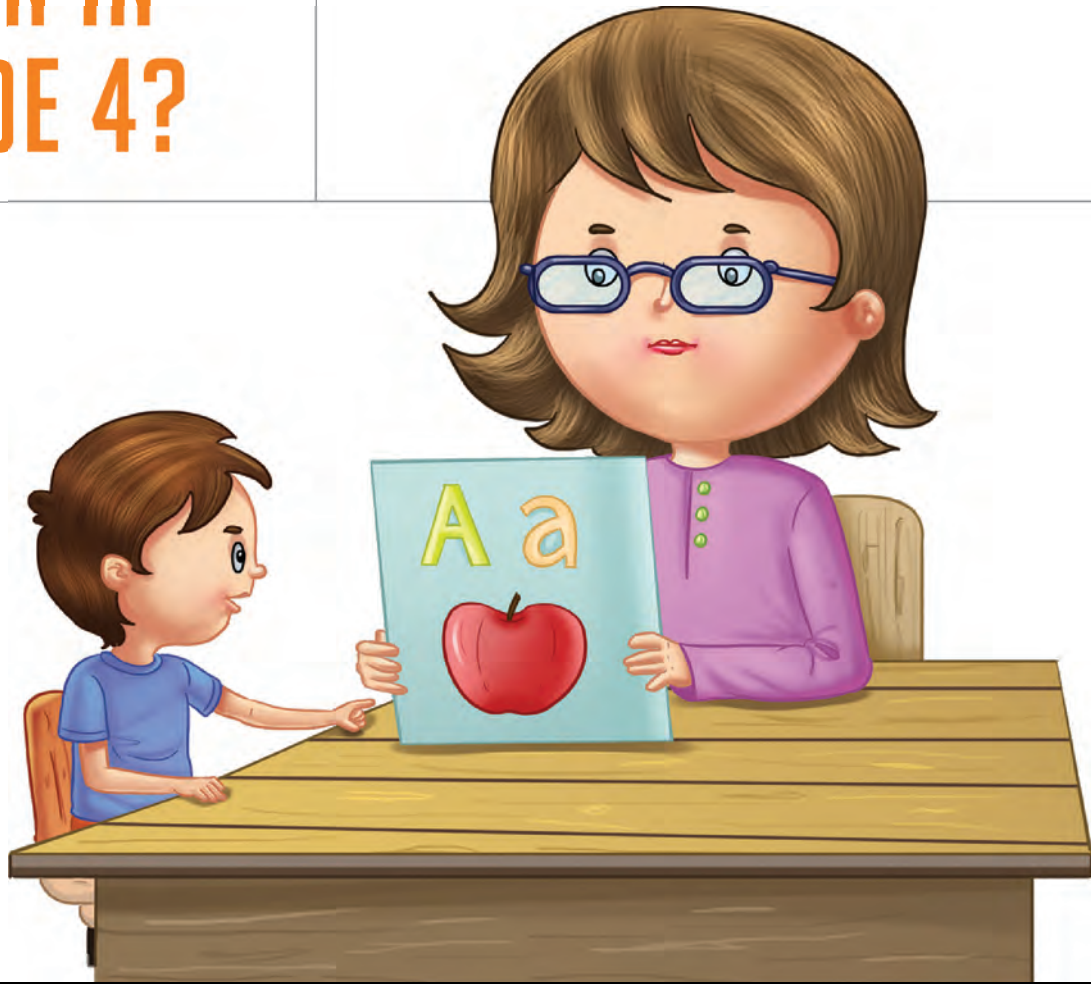
The fourth graders are also finding their social niche, but competitive feelings may interfere with the learning process. Cultural and socio-economic differences become more apparent to children, who may begin to group accordingly. Students who have trouble understanding a difficult topic may be afraid to ask for help for the fear of looking less smart than their peers; others may not participate for the fear of looking too smart. They are overly concerned about peer responses and need to be encouraged to continue to ask questions. They need to be reminded that smart people ask questions, and that it is the best way to learn.

Today, a majority of the fourth graders are socially more sophisticated and outspoken than their parents were at the same age. They can get into fights and arguments with each other very soon. But the good thing is that they want to sort it out too. They can learn to improve their communication skills with the support of adults.

The fourth graders may struggle to follow the many directions and planning that their school assignments require. They have to collaborate with their peers on group projects, which can be stressful in the social dynamics that emerge in this grade. Students have a curriculum book and notebook in each subject as well as other materials, all of which can pose challenges to organise them. The work gets harder and they need to manage it more independently. This includes homework assignments in multiple subjects, as well as keeping track of those assignments and tasks.

WHAT DOES YOUR CHILD LEARN IN GRADE 4?

Each grade has a syllabus. This is what students learn in each subject area. Teachers use the curriculum to help your child learn.



ENGLISH LANGUAGE

Fourth grade readers use their reading skills, acquired in primary grades, to gather knowledge. This is a transition from 'learning to read' to 'reading to learn'. They relate to different elements of stories as if they are themselves a part of it. They read texts of a variety of genres. They begin to use research tools, such as a dictionary, library and the Internet, to gather information independently about a topic. Most importantly, they begin to organise their thoughts and the information acquired in forms like paragraphs and character sketches. They develop their own writing style where their understanding of grammatical functions is clearly visible. They also get opportunities for extensive reading, writing and listening to build their language skills and confidence further. They collaborate with their peers to complete various tasks and assignments.

हिंदी भाषा

चौथी कक्षा के विद्यार्थी साहित्यिक विधाओं, जैसे— पत्र, अनुच्छेद, संवाद इत्यादि के माध्यम से अपने भावों, विचारों व भावनाओं को प्रभावी रूप से प्रस्तुत करना सीखते हैं। इसके लिए वे व्याकरण की अवधारणाएँ, जैसे— विशेषण, विराम चिह्न इत्यादि सीखकर उनका प्रयोग भी करते हैं। तथ्यात्मक पाठ्यवस्तु का अर्थ समझने के लिए वे विभिन्न आयोजकों एवं काल्पनिक पाठ्यवस्तु के लिए विभिन्न युक्तियों जैसे— अनुमान लगाना, जानकारी छाँटना, पाठ्यवस्तु से जुड़ना इत्यादि का प्रयोग सीखते हैं।



SCIENCE

Students learn various processing skills like experimenting, observing, recording data, forming hypotheses and testing them. They learn about the structures and functions of plant parts, eating habits of animals, adaptations in animals, causes and impact of water pollution, understanding fibre, properties of air, waste management and work, force and energy.



SOCIAL SCIENCE



Students meet new people and explore possibilities of new relationships. The subject aims to build sensitivity towards different people and their different needs. They engage with the issues of adoption, disabled-friendly infrastructure, functions and significance of mass communication, urban and rural settlements, various occupations and early life of humans. They also develop skills like making observations, drawing inferences, conducting interviews and analysing.

MATHEMATICS

Fourth graders understand the place value to 1,00,000 and the relative size of numbers in each place value. They read, write, compare, order, add, subtract, multiply and divide with large whole numbers. They learn about models for operations (equal size group, array, area model). They learn that the standard method is based on the place value. They understand the properties of operations. They learn about fractions through models and use the latter to represent fractions in different forms such as unit, proper, improper, like and unlike.

Students solve situations about factors and multiples and explore geometry in measurement to find out area and perimeter using non-standard units, metric system using the conversion of length, weight, capacity and time units. They deepen their understanding of properties of two- and three-dimensional shapes. They not only read graphs, tables and charts, but also learn to create them from the data they've collected.



PROJECT BASED LEARNING

Project Based Learning (PBL) integrates various subjects and skills into thoughtfully woven projects. In this grade, students work on two projects—Constructing Buildings and From Farm to Plate. On one hand, Constructing Buildings teaches students mapping and directions from social sciences and on the other, it teaches students measurement and views from a mathematical perspective to a commonplace thing like a building.

Similarly, the second project teaches students about healthy food from science as well as calculating its cost using unitary method from mathematics. In fourth grade, children take on new types of work and social experiences, and for some, these can be tough.



TECHFIELD

Students understand the basics of computer architecture and are able to categorise various software as Application Software or System Software. They learn to format documents in MS Word 2010 and insert tables. Students are introduced to multimedia and image editing software. They explore Photoscape, an image editing software, and edit various pictures. They learn to create presentations in MS Powerpoint 2010 by applying design themes, animation effects, etc. They learn to use Repeat command and create procedures in MSW Logo.



HOW DO TEACHERS ASSESS STUDENTS' WORK?



TEACHERS ASSESS STUDENTS' WORK IN MANY WAYS



**OBSERVATION OF STUDENTS' ENGAGEMENT
AND RECORDING ANECDOTES IN CLASSROOM**



STUDENTS' CLASSROOM WORK



HOMEWORK AND ASSIGNMENTS



**UNIT-END ASSESSMENT THROUGH RECORDS
OF STUDENTS' RESPONSE IN CLASSROOM,
WRITTEN WORK AND TAIL MODULES**

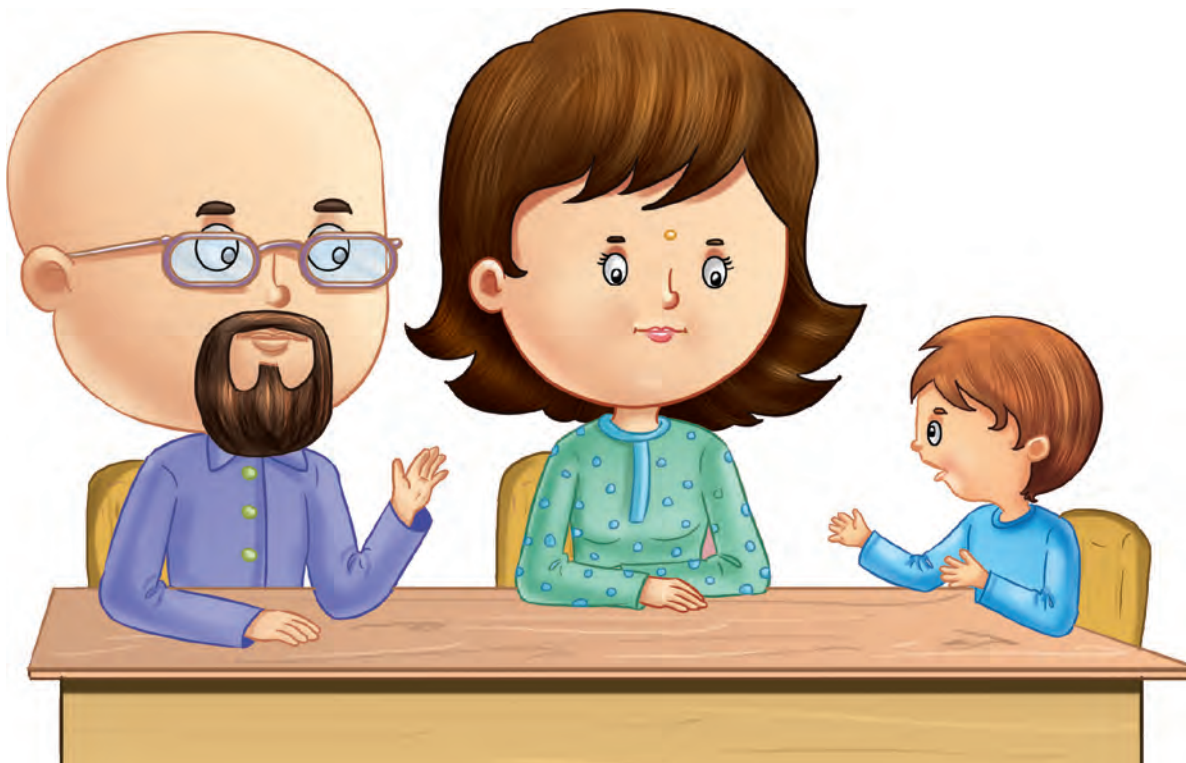
WHAT CAN YOU DO TO HELP YOUR CHILD LEARN BETTER?



CONNECT TO THEIR WORLD

Take an initiative to learn about what your child is currently learning at the school. Spend time making friends with your child, and becoming part of his/her world. It is not enough to know what the child is doing at school. As a parent, you need to know what the child thinks and feels about the experiences he is going through in school. Encourage your child to stick with it whenever a problem seems difficult. This will help your child see that everyone can learn.

Praise your child when he/she makes an effort and share in the excitement when he/she solves a problem or understands something for the first time.



TALK WITH THEM

Talking with children about their experiences motivates them to learn!

Here are some questions that you could use:

How was your day at the school?

Was there anything new and interesting in the school today?

What did you learn today?

Can you teach that to me?



BE A RESOURCE

Students conduct first-hand research. They may need to make observations when going on a family vacation, or 'interview' you or others on a certain topic. Act as a resource ONLY when your child needs one. Use everyday objects to allow your child to explore the concept being learnt in the school.



ENCOURAGE INDEPENDENT TIME

Provide time for your child to read independently.

Ask your child what he or she learnt from reading and how that knowledge can be used in real life. Be sure your child has access to a library. Children should select books they are interested in to develop a passion for reading. You could use technology for this, too.



TRUST THE TEACHING

We are continuously researching and learning from research and practices from around the world so that the school can give your child the very best of learning environments. We are there for you all the time. Just remember that our goals, yours and the school's, are the same—to nurture the genius in your child.



BE IN TOUCH WITH WHAT IS HAPPENING IN SCHOOL

Attend all parent-teacher interaction meetings. These include PBL culminations in every term, term-end student report meetings, class-wise parent meetings, etc.

Read every circular and diary note that is given to your child.

Keep checking the school website for any updated information or to download worksheets and practice assignments for your child after the unit has been taught. Use the unique ID given to your child for the parental access to the website resources.

There may be ambiguity at times about what your child is doing in the school. Don't panic. **Call up the class teacher** and seek clarity.

In case of queries or concerns, contact the class teacher and share your concerns.



GATEWAY INTERNATIONAL SCHOOL
SESSION: 2023-24



ANNUAL FLOWCHART

SUBJECT: ENGLISH

CLASS: IV

MONTH	COURSE BOOK		VOCABULARY		GRAMMAR	WRITING SKILLS	COMPREHENSION	ACTIVITY	WORDSWORTH
	PROSE	POETRY	FROM THE CHAPTER	FROM GRAMMAR	PARTS OF SPEECH	(Paragraph Writing / Picture Composition / Poetry Composition / Story Weaving / Paragraph Writing / Informal Writing / Application)	(Unseen Passage)		
APRIL	<ul style="list-style-type: none"> • The Power of Imagination & Visualization • Charlie & The Chocolate Factory 	-		<ul style="list-style-type: none"> • Genders 	<ul style="list-style-type: none"> • Types of Sentences • Common and Proper Nouns • Singular & Plural Nouns * Recap of previous concepts 	<ul style="list-style-type: none"> • Reflection • Picture Composition 	Unseen Passage	Activity for Nouns - LOOK AROUND	Sessions 1 - 3
MAY	<ul style="list-style-type: none"> • The Zebra's Feathers • Bonnie and The Fairies 		New Words & Word Meanings	<ul style="list-style-type: none"> • Collective Nouns 	<ul style="list-style-type: none"> • Articles • Pronouns • Adjectives 	<ul style="list-style-type: none"> • Sick Leave Application • Writing Descriptions of a Person 		Activity for Adjectives - LET'S NOMINATE	Sessions 4-6



GATEWAY INTERNATIONAL SCHOOL

SESSION: 2023-24

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ANNUAL FLOWCHART

SUBJECT: HINDI

CLASS: IV

MONTH	COURSE BOOK		VOCABULARY			GRAMMAR	WRITING SKILLS	COMPREHENSION	ACTIVITY
	PROSE	POETRY	FROM THE CHAPTER	SOUND WORDS / RHYMING WORDS	FROM GRAMMAR	PARTS OF SPEECH	(Paragraph Writing / Picture Composition / Poetry Composition / Story Weaving / Paragraph Writing / Informal Writing / Application)	(Unseen Passage)	
APRIL	गोलू की गुटकू (IN)	पंतर का घर (F)			विलोम शब्द	(दोहराई) वर्णमाला , शब्द - वाक्य तथा शब्दकोश ,	रचनात्मक लेख , चित्र वर्णन	अपठित गद्यांश	स्वर तथा व्यंजन संबंधी कार्ड बनाकर उन्हें शब्दकोश के आधार पर व्यवस्थित करना था उनसे शब्द तथा वाक्य बनाना गतिविधि कराई जाएगी।
MAY	एक दुनिया ऐसी भी (F)		नए -शब्द			संज्ञा तथा उसके भेद	कहानी रचना (मौखिक अभिव्यक्ति)		संज्ञा के रूपों (जातिवाचक तथा व्यक्तिवाचक) संबंधी शब्द आधारित गतिविधि कराई जाएगी । पाठ आधारित एक अन्य गतिविधि कराई जाएगी जिसमे बच्चों को विद्यालय प्रांगण में ले जाकर काल्पनिक कहानी सुनाते हुए उनके अनुभव के आधार पर उसे चित्रों में उतारा जाएगा ।
JULY		सपने वाला (F)			अनेक शब्दों के लिए एक शब्द	र के रूप , सर्वनाम	मेरी कल्पना (मौखिक अभिव्यक्ति) रचनात्मक लेख	क्या यह सच है?(गद्यांश)	हंसों और हैंसाओ गतिविधि पाठ्य पुस्तक के आधार पर कराई जाएगी । तथा र के रूप संबंधी गतिविधि के लिए र के तीनों रूपों के कुछ चित्र लेकर प्रत्येक चित्र के लिई तीन तीन कार्ड बनाए जाएंगे और बच्चा सही नाम के साथ चित्र को मिलाएगा ।(गतिविधि कराई जाएगी)
AUGUST	बबलू बेमिसाल (F) कुरसी या मेज़ का संवाद (F)		नए - शब्द			क्रिया	चरित्र चित्रण , मेरी दिनचर्या	हँसना क्यों जरूरी (गद्यांश)	क्रिया संबंधी गतिविधि के आधार पर बच्चे एक ही समय में होने वाली विभिन्न क्रियाओं को बताते हुए उन्हें वाक्यों में प्रयोग करना सीखेंगे ।

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GATEWAY INTERNATIONAL SCHOOL
SESSION: 2023-24



ANNUAL FLOWCHART

SUBJECT: MATHEMATICS

CLASS: IV

MONTH	UNIT/TOPIC	SUB-TOPIC	TABLES	ACTIVITIES
APRIL	NUMBERS	<ul style="list-style-type: none">. Recaps of Numbers and Mechanical Sums would be taken through worksheets. Drilling of tables 2-15 would also be taken.. Place value of 5 and 6 digit numbers. Expanded form of five and six digit numbers. Reading and writing numbers of 5 and 6 digit numbers. predecessor and successor of 5 and 6 digit numbers. Comparing and ordering of 5 and 6 digit numbers. Rounding off Numbers. Roman Numbers. Patterns in Numbers	Table from 2 to 15	<ol style="list-style-type: none">1. Activity with bindi to give them the concept of 6 digit number.2. Activity with different colour cards and paste them on their places for place value activity of 5 digit numbers3. Activity to introduce roman numbers by using match sticks.
MAY	SHAPES	<ul style="list-style-type: none">. Introduction to different shapes. Views of solid shapes. Nets. Relationship between Flat and Solid shapes. Elements of Geometric shapes. Polygons. Regular polygons. Instruments to draw a circle. Drawing circles using a compass. Lines of symmetry. Reflection. Tessellations	Table from 16to 18	<ol style="list-style-type: none">1. Activity to show different shapes and corelate them with real life things.2. Activity to see different views of different objects.3. Activity to take children in a playing area and tell them to make a circle and then give them the concept of radius and diameter.4. Activity to show line of symmetry by cutting papers in different shapes and then fold them to make line of symmetry.5. Activity to tessellate objects like different patterns or tiles or some other examples and show them on an A4 sheet.

JULY	NUMBER OPERATIONS	<ul style="list-style-type: none"> . Addition of five digit numbers . Subtraction of five digit numbers . Properties of Addition and Subtraction . Relationship between Addition and Subtraction . Estimation . Formation of situation sums . Multiplication of three digit numbers with two- digit numbers . Multiplication of four digit numbers with three digit numbers . Estimation of product . Partial Multiplication . Lattice Method . Division of two digit numbers by one digit numbers . Division of a four digit number by single digit number . Estimation of quotient . Division of four digit numbers by two digit numbers . Properties of Multiplication and Division . Formation of word problems . DMAS . Patterns in Multiplication and Division 	Table from 19 to 20	1. Activity to show addition by using abacus. 2. Activity to show multiplication and division by rolling the dice. 3. Activity to show subtraction by cutting different coloured sheets into different shapes and place them on different places.
AUGUST	MULTIPLES AND FACTORS	<ul style="list-style-type: none"> . Multiples . Lowest Common Multiple . Factors . Prime and composite numbers . Factor tree . HCF . HCF by prime factorization 		1. Activity by making grid like structure and write 1 to 20 numbers and then colour numbers alternatively and then differentiate between multiples and factors.
SEPTEMBER	REVISION			
OCTOBER	FRACTIONS MEASUREMENT	<ul style="list-style-type: none"> . Introduction to fractions . Reading and writing fractions . Fractions in groups . Unit fractions . Fractions on a number line . Like and unlike fractions . Comparison of like fractions . Ordering like fractions . Addition of like fractions . Subtraction of Like fractions . Mixed fractions . Equivalent fractions . Compare unlike fractions . Improper fractions . Benchmarks to measure length . Converting Kilometre into Metre and Metre to Kilometre . Converting centimetre into millimetre and millimetre to centimetre . Operations 	REVISION	1. Activity by taking different cut outs of different shapes and then fold them in different parts and then opening them part wise to show fractions of different parts. 2. Activity to take students in the school playground they will measure distances using rope, threads and then measure them on scales in different units.

NOVEMBER	MEASUREMENT METRIC SYSTEM	<ul style="list-style-type: none"> . Benchmarks to measure weight . Converting kilogram to gram and gram to kilogram . Converting gram into milligram and milligram to gram . Operations . Benchmarks to measure capacity . Operations . Conversion of units 	REVISION	<p>1. Activity to first estimate weight of different objects and then actually measure them on weighing machines to know their estimation.</p> <p>2. Activity to first estimate capacity of different glasses without knowing their actual capacity and then measure actual to know their correct estimation.</p>
DECEMBER	AREA AND PERIMETER TIME DATA HANDLING	<ul style="list-style-type: none"> . Perimeter on grid paper . Perimeter of rectangle . Perimeter of regular polygons . Perimeter of irregular shapes . Perimeter of curved shapes . Area . Estimating the area using grid . Basic conversion of time . Elapse of time in Hours and minutes . Elapse of time in Month and years . Reading bar graphs . Drawing bar graphs . 	REVISION	<p>1. Activity to use ribbon to decorate their class board and ask few questions related to material required, wastage and then what to do for exact measurement.</p> <p>2. Activity to use thread to measure perimeter of curved shapes and then measure it on scale.</p> <p>3. Activity to show area by placing different squares in a rectangle and then show them how they will fit into it.</p> <p>4. Activity to draw pictures of vehicles in different years and how the vehicles increasing day by day and how to show them on graph.</p>
JANUARY	MONEY	<ul style="list-style-type: none"> . Identification of currency . Planning and budgeting 	REVISION	<p>1. Activity to show them importance of using currency, we will set up a shop like in class and give fake notes to children and then they will exchange things first in place of a thing and then using notes and differentiate among them.</p>
FEBRUARY	REVISION			



GATEWAY INTERNATIONAL SCHOOL

SESSION: 2023-24



ANNUAL FLOWCHART

SUBJECT: SCIENCE

CLASS: IV

MONTH	UNIT/TOPIC	SUB-TOPIC	ACTIVITIES
APRIL	Recap of previous syllabus Unit-1 (Food)	Tongue Different types of teeth Mastering the brushing technique Animals :Different diet Food Chain Food web	1) Taste Time Groups of 4-5 students would be formed. Each group would be given a set of food items to taste. Afterwards students will try different taste map of tongue. 2) Interaction with a dentist
MAY	Unit-2 (Plants)	Stem Leaf Roots Flower and Fruit Adaptation in plants	1) Stem a) Students will place white colour flower along with stem in coloured water and reflection of the activity will be done in book. b) Students will conduct experiment with different colours of water and tissue paper to understand the role of stem in plants. 2) Leaf Students will trace leaf on white A4 size sheet and paste in their notebook.

JULY	Unit-3 (Water)	Water borne disease Methods to separate impurities Solubility and insolubility of substances in water. Homogeneous and Heterogeneous solution.	1) Experiment on separation of impurities Students will perform hand on experiment of filtration, sedimentation and decantation in chemistry lab. 2) Miscible and immiscible substance Students will dissolve salt, sugar, juice, milk, oil etc in water to learn the concept of homogeneous and heterogeneous solution.
AUGUST	Unit -4 (Animals)	Pattern on skin Adaptation in animals (camouflage, mimicry, migration, hibernation) Sense organs in animals Nocturnal animals Symbiotic relationship	Students will watch video on interactive board to learn about special feature of animals.
SEPTEMBER	Revision for Term -1 assessment	revision through worksheets and oral discussion.	
OCTOBER	Unit -1 (fibre to fabric)	Process of conversion from fibre to fabric -spinning, weaving and knitting Different types of fabric -natural fabric (cotton, flax, silk, wool and jute) synthetic fabric (rayon, nylon, polyester) Characteristics of different fibre Points of difference between natural and synthetic fabric	Characteristic of fibre Students will perform hand on activity to test 1) water absorption capacity 2) fire resistance test on different types of fabric. Observation of the test will be noted down in the book.

NOVEMBER	Unit-2 (Air)	Characteristics of air- Air has weight Air can be compressed Air expands on heating Air exerts pressure Sea breeze and land breeze	Experiment -1 Students will perform an experiment with an empty glass and a bucket filled with water to learn that air occupies space.Observation of the test will be noted down in the book. Experiment -2 Students will perform an experiment to establish that air has weight by using balloons,thread,string,needle,tape and stick .Observation of the test will be noted down in the book.
DECEMBER	Unit-3 (force, work and energy)	Force and its impact Different types of force (frictional force,muscular force,gravitational force,magnetic force) Contact and non contact force Work Energy and its form (solar energy,light energy,mechanical energy and wind energy)	ground to understand the concept of force and its impact. Experiment -1 Students will perform an experiment with butter paper and sand paper to understand the concept of frictional force.Observation of the test will be noted down in the book. Experiment -2 Students will perform an experiment with bar magnet and iron object to understand the concept of magnetic force.
JANUARY	Unit-4 (Waste Management)	Managing organic waste by composting Biodegradable and non-biodegradable Harmful effect of plastic Strategy to manage non-biodegradable waste.(3 R,s -reduce,reuse and recycle) Hazardous waste	Activity-1 Students will perform a survey to find out list of items which are of no use anymore .Observation of the survey will be noted down in the book.
FEBRUARY	Revision for Term -2 assessment	Revision for Term -2 assessment	



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ANNUAL FLOWCHART

SUBJECT: SOCIAL SCIENCE

CLASS: IV

MONTH	UNIT/TOPIC	SUB-TOPIC	ACTIVITIES
APRIL	Recap of previous grade Living Together	<ul style="list-style-type: none">* Adoption* Decision Making* Disabled friendly structure* Good touch, Bad touch	<u>Good touch, Bad touch</u> An interactive session will be conducted by school counsellor to inform students about good touch and bad touch . After that they are able to differentiate between good touch and bad touch.
MAY	Communication	<ul style="list-style-type: none">* Means of communication* Power of Newspaper* Newspaper Distributer* Making a Newspaper* Traditional and modern means of communication	<u>Newspaper</u> Students will create their own newspaper <ul style="list-style-type: none">* Give the name to the newspaper* Add information* Add puzzles, crosswords, games in the newspaper Students will visit newspaper office and interview the newspaper editor
JULY	Shelter Life and Livelihood	<ul style="list-style-type: none">* Urban settlement* Urban slums* Urban waste* Rural settlement * Work and occupation* Traditional occupation	<u>Pen down your observation</u> A poster titled 'Village' will be shown to the students and after observing they will write about the village that come in their mind.

AUGUST	Life and Livelihood	<ul style="list-style-type: none"> *Livelihood and environment * Livelihood and sports 	<p><u>A Sport as an Occupation</u> Student will write the name of some personalities who adopted sports as their occupation and paste their pictures also.</p> <p>Students will interview a sports person who played at local/national level.</p>
SEPTEMBER	Term 1 exams		
OCTOBER	Play	<ul style="list-style-type: none"> * Super Sunday *Community and sports * Indigenous games *Origin of sports * Coming to a big city *Migration * Skilled/ Unskilled migrant * Migration for Education 	<p><u>Games</u> Students will be playing indoor and outdoor games to build unity and connectivity with their classmates. This will help in building team spirit among the students.</p>
NOVEMBER	<p>Migration</p> <p>Water</p>	<ul style="list-style-type: none"> * Push and pull factor * Internal and International migration * On the move, Constantly * No water no life * Oceans and seas * Journey of river Ganga * Seasonal and perennial rivers 	<p><u>Interview session</u> In this activity few migrants are invited in the classroom to interact with the students so that students can easily differentiate between push and pull factors of migration.</p>
DECEMBER	World Around Us	<ul style="list-style-type: none"> * Guest of Egypt *Climate of Egypt * Oasis * Food from Egypt * The Date Palm *Travelling and currency 	<p><u>Know your currency notes</u> In this students will study all the denominations of currency in circulation and write the information they get from these notes.</p>
JANUARY	Local Administration	<ul style="list-style-type: none"> * Facilities for all * MCD * Waste management in city *Function of MCD * Resident welfare association 	<p><u>Letter to Municipal Corporation</u> In this students will write a letter to the municipal corporation to inform them about the amenities that are not functioning properly in their surrounding</p>
FEBRUARY	REVISION		