



**GATEWAY**  
INTERNATIONAL SCHOOL

**GRADE 5**

# ANNUAL LEARNING PROGRESSION



**propel**  
PROPEL THY LEARNING

# HOW ARE GRADE 5 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.



Fifth graders move from acting mature and independent to immature behaviour when they want the comfort they are often afraid to ask for. They spend much of their day learning the complex and ever-changing social rules of interacting with their peers. This can make it tough for teachers, who have to steer them back to the academic tasks of the classroom. It can also make it tough for some fifth graders, who may need to switch their focus from classroom social dramas to good study skills and time management.

Fortunately, by this stage, fifth graders have developed the ability to think logically about concrete problems. This means that when they look at a problem, they can pull out the necessary facts and strategies needed to solve it. However, they still require support to look at each other's perspective.

## THE PRESSURES OF A GROUP

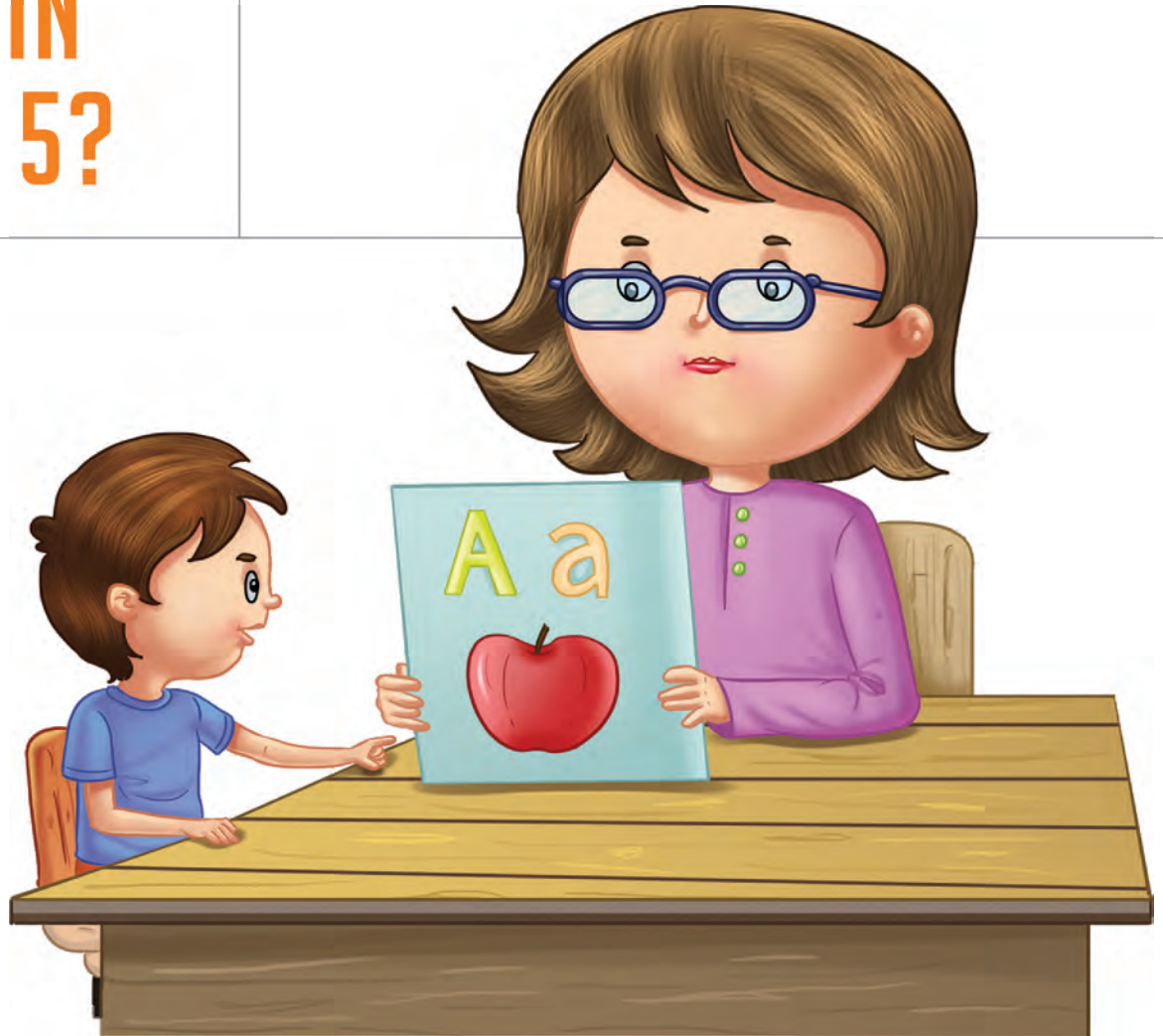
Being a part of a group, what their friends think of them, and what they think of their friends are very important issues for the fifth graders. Both, boys and girls, become more self-conscious and somewhat insecure about how they appear and whether they 'fit in'. Occasionally, students who excel in certain subjects try to downplay their intelligence in order to fit in.

It's important for parents to build upon children's strengths to help them with their weaker areas. It's also good time to look at children's passions to find extracurricular activities in areas in which they can excel. This can give them a sense of confidence in their accomplishment, and broaden their peer group to include friends who have common interests.

# WHAT DOES YOUR CHILD LEARN IN GRADE 5?

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

The fifth graders become sophisticated readers. They read more complex texts and learn to analyse characters, make inferences, present opinions, offer alternatives and recognise an author's purpose of writing. Extensive reading fosters their love for reading and builds their vocabulary. The fifth graders become independent writers and have their own style of writing. They put their feelings, imagination and experiences on paper. They write their own pieces of fiction and edit them individually or in collaboration with their peers. The fifth graders take turns as good speakers and readers to improve their skills of speaking and listening. Peer discussions help boost their confidence.



## हिंदी भाषा

पाँचवीं कक्षा के विद्यार्थी साहित्यिक विधाओं, जैसे— पोस्टर, यात्रा वर्णन, डायरी इत्यादि के माध्यम से अपने भावों, विचारों व भावनाओं को प्रभावी रूप से प्रस्तुत करना सीखते हैं। इसके लिए वे व्याकरण की अवधारणाएँ, जैसे— काल, वाक्य के भेद इत्यादि सीखकर उनका प्रयोग भी करते हैं। पाठ्यवस्तु का अर्थ समझने के लिए वे विभिन्न युक्तियाँ जैसे— कल्पना करना, पाठ्यवस्तु के साथ संबंध बनाना, पाठ्यवस्तु की विभिन्न घटनाओं व पूर्व ज्ञान में संबंध स्थापित कर निष्कर्ष निकालना भी सीखते हैं।



## SCIENCE

Students learn various processing skills like experimenting, observing, recording data, forming hypotheses and testing them. They learn about the human body, materials and changes around them, tools and machines, natural resources like water, air, etc., and how to conserve them.



## SOCIAL SCIENCE



Students learn about the relationship between people, places and the environment. They also build sensitivity and responsibility towards the environment and everything around. In this grade, students engage with concepts such as techniques of water management, essentials of farming, types of forest and tribal life, discovery of farming and its impact and eco-friendly houses. They actively develop skills like drawing inferences, making observations, conducting analyses, map reading and plotting.

## MATHEMATICS

The fifth graders generalise their understanding of place value to 10,00,00,000. They learn and apply their understanding of properties of operations such as BODMAS, distributive, commutative and associative on multiplication and addition. They solve sums of fractions and decimals and learn about prime numbers. They solve problems about factors and multiples and explore geometry formulas for determining perimeter, area and volume, and for measuring angles.

They develop fluency in calculating sums and differences of fractions, and make reasonable estimates of them. They apply the skills of estimation, problem solving and reasoning in real world situations by solving problems about volume, factors and multiples. They not only read line and circle graphs, tables and charts, but also create them from the data they have collected.





## PROJECT BASED LEARNING

Students engage themselves in integrated projects. They work on two projects—Food Preservation and Lake. These projects give students the opportunity to learn concepts and skills from all subjects. The first project includes the role of microorganisms in spoiling food and methods to preserve food. It also includes the video editing skill and mathematical concepts of profit and loss. The Lake project includes a lake ecosystem, formation and pollution of aquifers; water pollution and factors contributing to it; and how to protect a lake. The project includes language skills such as writing formal letters, invitation cards and advertisements.



## TECHFIELD

Fifth graders are equipped with the tools to organise data and effectively present materials through TechField. This includes learning of tools like MS Publisher/Scratch, MS Excel and Windows Movie Maker. They learn to use one of the most important present-day tools for learning, i.e., the Internet.



# HOW DO TEACHERS ASSESS STUDENTS' WORK?



## TEACHERS ASSESS STUDENTS' WORK IN MANY WAYS



ENGAGEMENT OF STUDENTS IN CLASS



STUDENTS' CLASSROOM WORK



HOMEWORK AND ASSIGNMENTS



UNIT-END AND TERM-END ASSESSMENT



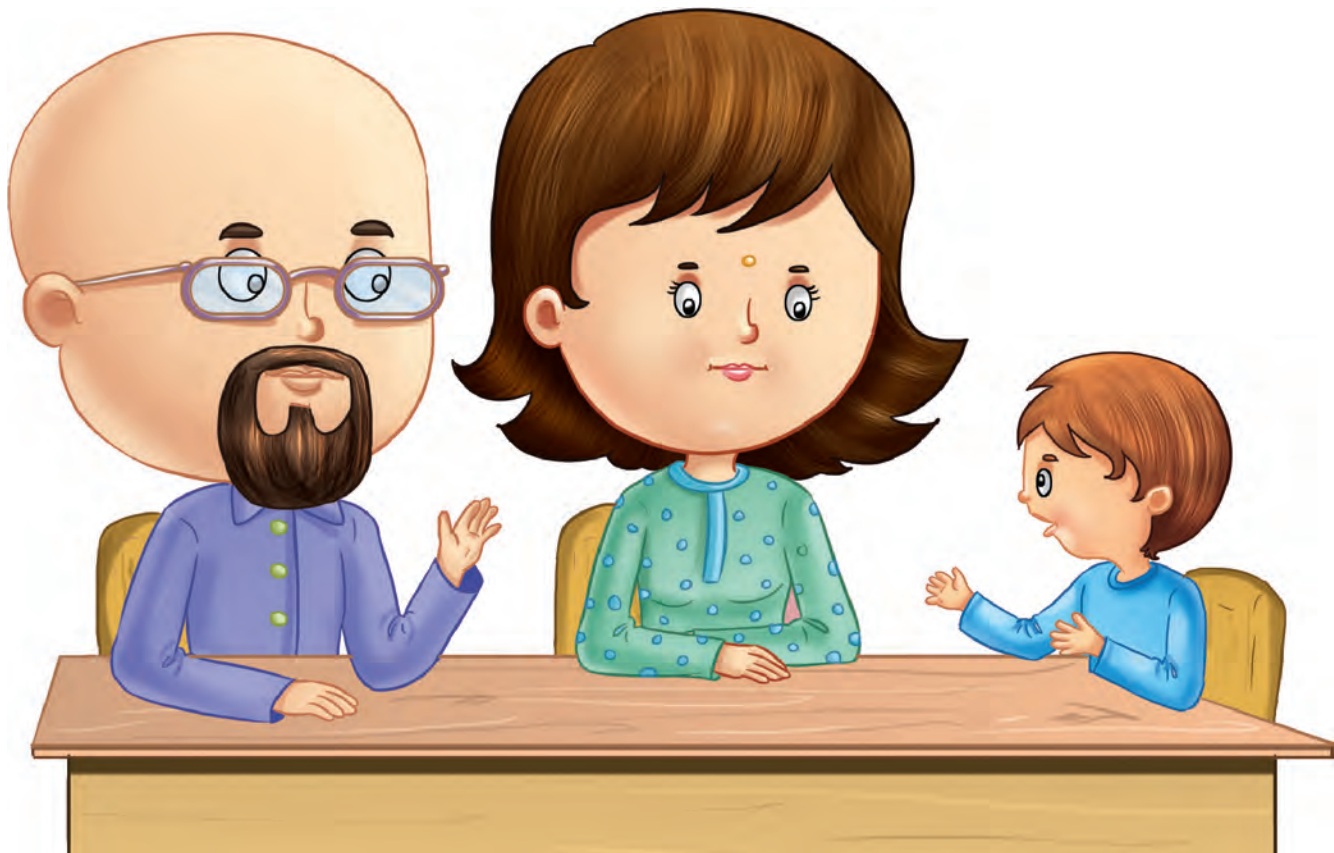
# WHAT CAN YOU DO TO HELP YOUR CHILD LEARN BETTER?



## 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/she is going through in school. Encourage your child to stick with it whenever a problem seems difficult. This will help your child realise 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 travelling 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 environment.



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: V**

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	The Unicorn (Story)	Space Adventure	Word Meanings New Words & Word Meanings	• Collective Nouns	<ul style="list-style-type: none"> <li>• Types of Sentences</li> <li>• Common and Proper Nouns</li> <li>• Singular &amp; Plural Nouns</li> </ul> * Recap of previous concepts	Paragraph Writing	Unseen Passage	Activity for Nouns - LOOK AROUND	Sessions 1 - 3
MAY		The Dentist & The Crocodile	Word Meanings	• Genders	<ul style="list-style-type: none"> <li>• Adjectives</li> <li>• Abstract Nouns</li> <li>• Articles</li> <li>• Revision of Adjectives &amp; Abstract Nouns</li> <li>• Introduction to Parts of Speech</li> <li>• Pronouns</li> </ul>	<ul style="list-style-type: none"> <li>• Paragraph based on imagination</li> <li>• Sick Leave Application</li> </ul>	-	Activity for Adjectives - LET'S NOMINATE	Sessions 4-6



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# GATEWAY INTERNATIONAL SCHOOL

SESSION: 2023-24



## ANNUAL FLOWCHART

SUBJECT: HINDI

CLASS: V

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		बतूता का जूता (IN) कठपुतली का राजा सजता (F)				(दोहराई ) वर्णमाला , शब्द तथा वाक्य , अलंकार (अतिशयोक्ति,अनुप्रास ) वर्ण -विच्छेद	चित्र वर्णन , रचनात्मक लेख	अपठित गद्यांश	वर्णमाला तथा वर्ण विच्छेद के लिए स्वर तथा व्यंजन संबंधी कार्ड बनाकर उनके वर्गों तथा उनकी रचना को समझाते हुए गतिविधि कराई जाएगी।
MAY	समुद्र का पानी नमकीन क्यों ?(F)	ताऊ जी हद करते हैं (IN) भूख मुझे उठाया (IN)	नए -शब्द			शब्दकोश,संज्ञा व उसके भेद	हास्य कविता मौखिक व लिखित अभिव्यक्ति		संज्ञा तथा उसके भेद के लिए कक्षा में कुछ समूह बनाकर प्रत्येक समूह को कुछ शब्द दिए जाएँगे तथा उन्हें दूसरे समूह के शब्दों को बदलकर अपने समूह के लिए ज्यादा से ज्यादा शब्द बनाने होंगे ।
JULY	पाँच चीनी भाई (F)	दोनों चुपके से सो जाओ (F)	नए -शब्द		विलोम शब्द	काल के भेद	कहानी रचना मौखिक अभिव्यक्ति , यात्रा वर्णन		काल संबंधी गतिविधि के लिए कक्षा को तीन समूहों में विभाजित किया जाएगा प्रत्येक समूह को कुछ वाक्य दिए जाएँगे उन्हें अपने समूह के नाम संबंधी वाक्यों को अपने पास रखकर बाकी अन्य समूह को देने होंगे और फिर अपने साथी समूह के वाक्यों को बदलकर अपने वाक्यों को बढ़ाना होगा ।

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**GATEWAY INTERNATIONAL SCHOOL**  
**SESSION: 2023-24**



**ANNUAL FLOWCHART**

**SUBJECT: MATHEMATICS**

**CLASS: V**

MONTH	UNIT/TOPIC	SUB-TOPIC	TABLES	ACTIVITIES
APRIL	NUMBERS	<ul style="list-style-type: none"><li>. Recaps of Numbers and Mechanical Sums would be taken through worksheets. Drilling of tables 2-15 would also be taken.</li><li>.Place value of 7 and 8 digit numbers</li><li>. Expanded form of seven and eight digit numbers</li><li>. Reading and writing numbers of 7 and 8 digit numbers</li><li>.predecessor and successor of 7 and 8 digit numbers</li><li>. Comparing and ordering of 7 and 8 digit numbers</li><li>. Introduction to Nine-digit numbers</li><li>. reading and writing Nine-digit numbers</li></ul>	Table from 2 to 15	<ul style="list-style-type: none"><li>1. Activity with bindi to give them the concept of 7 digit number.</li><li>2. Activity with different colour cards and paste them on their places for place value activity of 8 digit numbers</li></ul>
MAY	NUMBERS NUMBER OPERATIONS	<ul style="list-style-type: none"><li>. International Numeration system</li><li>. Patterns in Numbers</li><li>. Patterns within patterns</li><li>. Roman Numbers</li><li>. Addition of seven and eight -digit numbers</li><li>. Subtraction of seven and eight digit numbers</li><li>. Multiplication of five-digit numbers by three digit numbers</li><li>. Approximating a product</li><li>. Dividing a five-digit number by a two-digit number</li><li>. Dividing a five digit number by a three-digit numbers</li><li>. Estimating products and quotients</li></ul>	Table from 16 to 18	<ul style="list-style-type: none"><li>1. Activity to introduce International Numeration system by pasting different colour cards on different places.</li><li>2. Activity to introduce patterns by using yellow pulses.</li><li>3. Activity to introduce roman numbers by using match sticks.</li></ul>

<b>JULY</b>	NUMBER OPERATIONS FRACTIONS	. BODMAS . Framing word problems . Divisibility rules . Associative and distributive property . Fractions . Comparing unlike fractions . Ordering unlike fractions . Addition of unlike fractions . Subtraction of unlike fractions . Multiplication of unlike fractions	Table from 19 to 20	1. Activity using coloured papers, show them making different parts of a paper and then how to make them like fractions.
<b>AUGUST</b>	FRACTIONS ANGLES DECIMALS	. Dividing fractions . Types of angles . Measuring angles . Estimation of angles . Drawing angles . Interior and exterior angles . Place value of decimal numbers . Reading and writing decimals . Comparing and ordering decimal numbers . Types of decimals . Converting fractions into decimals . Estimation of decimals		1. Activity using coloured papers to make different types of angles and write their difference on a chart paper.
<b>SEPTEMBER</b>	REVISION			
<b>OCTOBER</b>	DECIMAL OPERATIONS PERCENTAGE	. Addition of decimal numbers . Subtraction of decimal numbers . Multiplication of decimal numbers . Dividing decimal numbers . Estimation in decimal operation . Introduction to percentage . Percentage when total parts are not hundred . Conversion of decimal numbers into percentage . Conversion of percentages into fractions and decimals . Percentage with more than hundred Parts	REVISION	1. Activity to collect different price tags from different objects like clothes, shoes or different things and then compare actual price and then discount in form of percentage.

<b>NOVEMBER</b>	AREA AND PERIMETER VOLUME	<ul style="list-style-type: none"> <li>. Does area change when shape changes?</li> <li>. Units to measure area</li> <li>. Capacity</li> <li>. Volume and capacity</li> <li>. Relationship between units of Capacity and volume</li> <li>. Volume of cuboid</li> <li>. Missing sides</li> </ul>	REVISION	1. Activity to show area and perimeter using thread. 2. Activity of volume by showing different cubes and placing them in a shape and then count them. 3. Activity of showing cube and cuboid and show their shape difference.
<b>DECEMBER</b>	SHAPES AND SYMMETRY MAPPING	<ul style="list-style-type: none"> <li>. Angles in shapes</li> <li>. Prisms</li> <li>. Nets and properties of prisms</li> <li>. Pyramids</li> <li>. Nets and properties of pyramids</li> <li>. Symmetry</li> <li>. Reflection symmetry</li> <li>. Rotational symmetry</li> <li>. Degree of rotation</li> <li>. Order of rotation</li> <li>. Landmarks</li> <li>. Directions</li> <li>. Proportion</li> <li>. Views</li> <li>. Floor mapping</li> <li>. Estimation of area</li> </ul>	REVISION	1. Activity by taking nets of prisms and pyramids from the annexures and show them the properties of both. 2. Activity to show different objects to differentiate reflection and rotational symmetry and draw or paste real life examples of rotational symmetry on an A4 sheet. 3. Activity to introduce about landmarks and directions, a visit of our entire school campus will be conducted and will show different departments in different directions. 4. Activity to show different objects to show their different views as top, side and front view and make floor map on the basis of top view of their home.
<b>JANUARY</b>	DATA HANDLING	<ul style="list-style-type: none"> <li>• Reading a circle graph</li> <li>• Draw a circle graph using degree</li> <li>• Line graph</li> <li>• Drawing a line graph</li> </ul>	REVISION	1. Activity to introduce a line graph and circle graph, will show them different examples on the interactive board and will make different circle graph using coloured sheets.
<b>FEBRUARY</b>	REVISION			





**GATEWAY INTERNATIONAL SCHOOL**

**SESSION: 2023-24**



**ANNUAL FLOWCHART**

**SUBJECT: SCIENCE**

**CLASS: V**

MONTH	UNIT/TOPIC	SUB-TOPIC	ACTIVITIES
<b>APRIL</b>	Recap of previous syllabus Unit-1 (Animals )	Characteristics of Reptiles Characteristics of Amphibians Characteristics of Mammals	Video and pictures of various examples of reptiles ,amphibians and mammals will be shown to compare the features of these three classes.
<b>MAY</b>	Unit-2 (Water)	Water cycle Forms of water Evaporation and factors impacting rate of evaporation. Condensation and factors impacting rate of condensation. Precipitation and factors impacting rate of precipitation.	Experiment -1 Students will conduct an experiment to understand the effect of surface area on the rate of evaporation by placing water in two dishes which have different surface area..Observaton will be written in book.

<b>JULY</b>	Unit-3 (Plants)	Seed and its structure Elements of germination Vegetative propagation Soil erosion and conservation of soil	<p>Activity -1 Read the seed Group of 2-3 students will be formed and different seeds would be given to students such as papaya , peach , litchi , apple etc . Observation will be done on few pointers like shape, size, colour, texture etc.</p> <p>Activity -2 Seed sprouting Students would be asked to form group of four to perform an activity. Some soaked moong lentil will be provided to them. Students will be asked to cover it with damp cloth .Observation will be taken on next day.</p>
<b>AUGUST</b>	Unit -4 ( Human Body) Skeletal system Digestive system Respiratory system Circulatory system	Skeletal system Digestive system Respiratory system Circulatory system	<p>Students will observe human skeletal system in biology lab to learn about different bones and joints in human body.</p> <p>Experiment -1 Students will perform experiment to conduct test for presence of Carbohydrates, Protein and Fats in given food item.</p> <p>Activity -2 Students will create model to understand mechanism of respiration.</p> <p>Activity -3 Students will perform an role play activity to understand the mechanism of circulation.</p>
<b>SEPTEMBER</b>	Revision for Term -1 assessment	revision through worksheets and oral discussion.	

<b>OCTOBER</b>	Unit -1 ( States of matter)	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.
<b>NOVEMBER</b>	Unit-2: Tools and machine	Lever Pulley Inclined plane Wheel and axle Wedge and screw	Experiment -1 Students will perform as experiment with ruler and textbook.The experiment here demonstrates the working of a simple lever.  Experiment-2 Students will perform experiment in groups on inclined plane with cardboard,a small bag and rope
<b>DECEMBER</b>	Unit -3 (Natural Resource)	Composition of air Oxygen , Carbon dioxide and Nitrogen Air pollution -cause ,effect and solution Renewable and non renewable resource	Students will make a poster to create awareness about fuel consumption.
<b>JANUARY</b>	Revision for Term -2 assessment	Revision for Term -2 assessment	
<b>FEBRUARY</b>	Revision for Term -2 assessment	Revision for Term -2 assessment	



**GATEWAY INTERNATIONAL SCHOOL**  
**SESSION: 2023-24**



**ANNUAL FLOWCHART**

**SUBJECT: SOCIAL SCIENCE**

**CLASS: V**

MONTH	UNIT/TOPIC	SUB-TOPIC	ACTIVITIES
APRIL	Recap of previous grade Lifeline Water	Water management Managing rainwater Managing water in Desert Managing water on mountains Dams and its impact on environment	Map Work Students will observe and locate the states on the map annual rainfall of India receiving high to very low rainfall. Students will locate dams on political map of India
MAY	Farming	Seasons and farming Types of Irrigation Factor influencing Irrigation methods Farming tool : Then and now Different kinds of farms	Tour to farm Students will visit school farm and interact with the gardner to know more about crops and irrigation methods.
JULY	Forest	What is a Forest? Thorn and Shrub forest Coniferous forest Evergreen forest Deciduous forest Mangrove forest	Map Work Students will identify the states where these forest are found and mark it in the political map of India. Students will locate the tribes discussed in this unit and mark it in political map of India.
AUGUST	Shelter	The Place where I live Bring Nature In Energy and Environment Landform and houses Vernacular Architecture	Discussion Students will discuss on past, present and future technologies affecting architectural designs
SEPTEMBER	Term 1 exams		

<b>OCTOBER</b>	<p>Migration</p> <p>Transport</p>	<p>Moving to new place When Earth shook Earthquake resistant building Looking for new beginnings Natural disaster and management Adjusting to flood</p> <p>Infrastructure for Transportation Highways</p>	<p>Disaster Students will make a chart where in brief points they can write about all the disasters covered in this unit. *Flood * Tsunami * Earthquake</p>
<b>NOVEMBER</b>	<p>Transport Local Administration</p>	<p>Different kinds of Roads Connecting India</p> <p>Rules around us Making rules Structure of MCD Arranging money for services</p>	<p>Making of Rules for your class Students will prepare rules which they want in their class to be implemented</p> <p>Forming Municipal Corporation experience Randomly choose four students from the class through a chit method. They are the decision maker of the class and they do not have to consult the rest of the class. Decisions include the choice of any game, sitting arrangements and so on.</p>
<b>DECEMBER</b>	<p>Life and Livelihood</p>	<p>Jalandhar- Sports City of India Jagannath temple of Puri Breaking the stereotype Dignity of labour My life is my message</p>	<p>Observe the occupations in your surrounding and choose one occupation Paste the picture of that occupation Write about that occupation ( basic characteristics, struggles, how to treat them)</p>
<b>JANUARY</b>	<p>Solar System</p>	<p>Continents of the World Day and Night Earth's axis and rotation Solar system Space explorers</p>	<p>Demonstration of concept of day and night: Arrange one globe and flashlight Take a ball and a flashlight. Now make a point X on ball. Take a flashlight and focus its light directly on point X. This indicates day time in India.</p>
<b>FEBRUARY</b>	<p>REVISION</p>		