

**YEAR 2010 - 2011  
CLASS VI  
ENGLISH**

<b>Month</b>	<b>Concepts</b>	<b>Objectives</b>
<b><u>APRIL</u> &amp; <u>MAY</u></b>	<p>Literature Reader</p> <p>Grammar :</p> <p>Writing :</p> <p>Literature Reader</p> <p>Grammar :</p> <p>Writing :</p> <p>Non – detailed</p>	<p>Chapter : Wilbur’s Boast</p> <p>Transformation of sentences</p> <p>Advertisement</p> <p>Lazy Man’s Song</p> <p>Adjectives , adverbs</p> <p>Picture reading</p> <p>Totto – chan and the train.</p>
<b><u>JULY</u> &amp; <u>AUGUST</u></b>	<p>Literature Reader</p> <p>Grammar :</p> <p>Writing :</p> <p>Literature Reader</p> <p>Grammar :</p>	<p>The Diving Board</p> <p>Simple Present tense , Simple past tense , Simple Future tense, omitting</p> <p>Informal letter.</p> <p>Tony the turtle</p> <p>Present continuous tense, Past continuous tense, editing, Jumbled sentences,</p>
<b><u>SEPTEMBER</u></b>	<p>Grammar :</p> <p>Writing :</p>	<p>Present perfect tense, past perfect tense .</p> <p>Notice</p>
<b><u>OCTOBER</u></b>	<p>Literature Reader</p> <p>Grammar :</p>	<p>Gatrey Ketcheson</p> <p>Conjunctions</p>

	<b>Writing :</b>	<b>Message</b>
<b><u>NOVEMBER</u></b> <b>&amp;</b> <b><u>DECEMBER</u></b>	<b>Literature Reader</b>  <b>Grammar :</b>  <b>Writing</b>  <b>Literature Reader</b>  <b>Grammar :</b>  <b>Writing</b>  <b>Non - deatiled</b>	<b>Seventeen Oranges</b>  <b>Active and passive</b>  <b>Story Writing</b>  <b>Grandfather fights Ostrich</b>  <b>Direct and indirect speech ,</b> <b>Prepositions</b>  <b>Paragraph</b> <b>Two strange tales</b>
<b><u>JANUARY</u></b>	<b>Literature Reader</b>  <b>Grammar :</b>  <b>Writing</b>  <b>Non – detailed</b>	<b>The cat who walked by itself</b>  <b>Articles</b>  <b>Autobiography</b>
<b><u>February</u></b>	<b>Revision</b>	

## MATHEMATICS

### APRIL & MAY

#### Chapter 2      **Whole numbers**

What are whole numbers?

How are whole numbers different from natural numbers?

Locating numbers on number line

Drawing number line

What is commutative property?

What is associative property?

Ex 2.2

What is meant by identify elements?

Addition using number line.

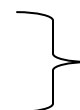
Observing patterns in whole numbers

Distributive property

Division by zero

Ex 2.3

Identification of property



#### Chapter 4      **Basic Geometric Ideas**

What are intersecting lines?  
 What are parallel lines?  
 What is the difference between parallel lines and intersecting lines?  
 What is a simple curve?  
 What is an open curve?  
 Ex 4.2  
 What is a closed curve?  
 What is a polygon? Are all the closed figures polygons?  
 What is the difference between interior of a figure and region formed by that figure?  
 What is an angle?  
 How to name an angle?  
 Ex 4.3  
 What is a triangle?  
 How to name a triangle?  
 Ex 4.4  
 What is a quadrilateral?  
 What are adjacent sides of a quadrilateral?  
 What are opposite sides of a quadrilateral?  
 What are adjacent angles of a quadrilateral?  
 Ex 4.5  
 What are opposite angles of a quadrilateral?  
 What are diagonals of a quadrilateral?  
 What is a circle?  
 What is chord, diameter, radius, circumference sector and segment?  
 Ex 4.6



**JULY**

What are factors?  
 How to list factors of a number?  
 Ex 3.1  
 Find prime factors of a given number?  
 Ex 3.5 Q 2, 3,  
 What are twin primes and coprimes?  
 4, 5, 6, 9, 12  
 What is HCF?  
 How to determine HCF by prime factorization?  
 Ex 3.6  
 Application of the concept of HCF and LCM to solve problems  
 Ex 3.7



**AUGUST**

**BODMAS**

What is meant by BODMAS?  
 Application of the rules of BODMAS to simplify  
 Questions for practice from reference books

**SEPTEMBER**

Expressing decimals in expanded form.  
 Representation of decimals on number line.

Ex

Addition of Decimals  
Subtraction of decimals  
Expressing units as decimals.  
Conversion of units in decimals( money and metric system)  
Solve problems based on addition and subtraction .

**Chapter 5 Understanding elementary shapes**

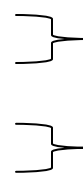
Types of angles  
Ex 5.2, 5.3  
Measuring a given angle using protractor  
Ex 5.4  
What are perpendicular lines?  
Ex 5.5  
Classification of triangles  
Ex 5.6  
Types of quadrilaterals  
Properties of a parallelogram.  
Properties of a rectangle  
Properties of a rhombus  
Ex 5.7  
Properties of a square  
Difference between trapezium and parallelogram  
Identify whether a given figure is a polygon or not.  
Ex 5.8  
Name the polygons  
3 – D shapes  
Ex 5.9



**OCTOBER**

**Chapter 6 Integers**

What is the need to extend the number system?  
What are integers?  
Ex 6.1  
How to represent integers on number line  
Finding integers between two given integers  
Adding integers on number line  
Adding integers without number line  
Ex 6.2  
Subtraction of integers  
Simplification  
Ex 6.3



**NOVEMBER**

**Chapter 11 Algebra**

What is a constant?  
Ex 11.1, 11.3  
What is a variable?  
How are algebraic expressions formed?  
Converting a verbal statement into Mathematical statement.

How can Algebra be used in Geometry and Arithmetic

Ex 11.2

Using equations / expressions to solve problems

Ex 11.4

What is an equation?

Solving an equation.

Ex 11.5



## DECEMBER

### Chapter 14 Practical Geometry

Draw a circle with a given radius.

What are concentric circles?

Drawing concentric circles.

Ex 14.1

Drawing intersecting circles with equal radius.

Drawing of line segment using rules and compass.

Drawing of line segment equal to sum of two line segments.

Drawing of line segment equal to difference of two line segments.

Ex 14.2

Drawing equal line segments.

Construction of perpendicular lines

Ex 14.4

a) From a point on the line

Ex 14.5

b) From a point outside the line

Construction of perpendicular bisector of a line segment

Ex 14.3

Bisecting an angle

Construction of angles using rules and compass

$60^\circ$ ,  $120^\circ$ ,  $30^\circ$ ,  $90^\circ$ ,  $45^\circ$

Ex 14.6



## JANUARY

### Chapter 12 Ratio and Proportion, Unitary method

What is ratio?

Ex 12.1

Rules to be followed while finding a ratio.

Simplification of a ratio.

What are equal ratios?

How is a proportion formed?

Ex 12.2

Checking whether a statement is a proportion or not?

What is Unitary method?

How to solve problems using Unitary method?

Ex 12.3

## FEBRUARY

### Chapter 10 Perimeter and Area

What is perimeter?

Finding perimeter of a given figure.

Ex 10.1

Using formula to find perimeter.

Finding length of side, if perimeter is given.

What is area?

How to calculate area of a rectangle?

Ex 10.3

How to calculate area of a square?

Finding area of a region by dividing it into squares and rectangles.



## PHYSICS

Month	Concepts	Objectives
<b><u>APRIL</u></b>	<b>Garbage in Garbage out</b> 1. Waste things that rot and things that don't. 2. Recycling of waste products – farming landfill. 3. Rotting is supported by animals and plant products – composting. 4. Plastics – boon or a cause.	<ul style="list-style-type: none"> <li>○ Recognize the waste materials formed in the house and surroundings, list them, compare and categorize them into rotting &amp; those which do not rot.</li> <li>○ Locate the places where landfill is done.</li> <li>○ Explain the process of composting &amp; vermin – composting and justify their importance.</li> <li>○ Volunteers to make useful materials out of waste materials.</li> <li>○ Infers the outcome of using plastics and other such non-degradable waste materials.</li> </ul>
<b><u>MAY</u></b>	<b>Motion and Measurement of distances</b> 1. Need to measure distance (length). 2. Measurement of length – SI units. 3. Motion as change in position with time.	<ul style="list-style-type: none"> <li>○ Comprehend how to measure length – practices it.</li> <li>○ Identify the different types of motion, matches them with the various types of vehicles, discriminates them.</li> <li>○ Volunteers and demonstrates them.</li> <li>○ Draw diagrams</li> </ul>
<b><u>JULY</u></b>	<b>Light, Shadows and</b>	

	<b>Reflections</b> 1. Classification of various materials in terms of transparent, translucent and opaque. 2. A shadow is formed only when there is source of light & an opaque material to obstruct it. 3. A shadow is black irrespective of the colour of the object. 4. Reflecting surfaces – images are different from shadow.	<ul style="list-style-type: none"> <li>○ Identifies and compares transparent, opaque &amp; translucent materials; list some more of them.</li> <li>○ Differentiate shadows and images.</li> <li>○ Demonstrate the formation of shadows.</li> <li>○ Volunteers to construct pinhole camera and perform other activities.</li> </ul>
<b><u>AUGUST</u></b>	<b>Sorting materials into groups</b> Grouping things on the basis of common properties.	<ul style="list-style-type: none"> <li>○ Identify and categorize materials into different groups on the basis of common properties.</li> <li>○ Display them and justify the categorization.</li> </ul>

<b><u>SEPTEMBER</u></b>	<b>Water</b> 1. Importance of water – dependence of the living on water. 2. Droughts and floods. 3. Preserving water – Rain water harvesting.	<ul style="list-style-type: none"> <li>○ Recognize the importance of water and describe them.</li> <li>○ Prepare a chart to show the water cycle.</li> <li>○ Predict the outcome of drought and flood.</li> <li>○ Express views on conserving water and justify them with support.</li> <li>○ Construct model depicting the rain-water harvesting.</li> </ul>
<b><u>OCTOBER &amp; NOVEMBER</u></b>	<b>Air around us</b> Components of air – water vapour, oxygen, Nitrogen, Carbon-di-oxide, dust and smoke – their role in nature.	<ul style="list-style-type: none"> <li>○ Identify the components of air-apprehend and share their views on the importance of each.</li> <li>○ Interprets the ways by which plants and animals obtain oxygen for breathing living in different habitats.</li> <li>○ Explain the ways by which the amount of oxygen is balanced in nature – different uses of air.</li> <li>○ Summarizes.</li> </ul>
<b><u>DECEMBER</u></b>	<b>Electricity and Circuits</b> 1. Electric current – bulb – electric cell. 2. Electric current flows only when	<ul style="list-style-type: none"> <li>○ Display a bulb and a cut opened electric cell and explain the parts.</li> <li>○ Sketch a closed / open circuit.</li> <li>○ Volunteer to design a model of</li> </ul>

	a cell and other components are connected in an unbroken loop. 3. Conductors and insulators.	circuit & operate it. ○ Apply the knowledge in real life situations.
<b><u>JANUARY</u></b>	<b>Fun with magnets</b> 1. Magnet 2. Poles of a magnet 3. A freely suspended magnet always aligns in a particular direction – North and South Poles. 4. Like poles repel and unlike poles attract each other. 5. Making our own magnets. How to protect them from getting damaged?	○ Observes and apprehends through activities – poles of a magnet- how they determine the direction, repulsion and attraction. ○ Volunteers to demonstrate the formation of magnets. ○ Analyzes the ways to protect them.

### BIO / CHEMISTRY

Month	Chapter	Topics
<b><u>APRIL</u></b>	<b>Getting to know plants</b>	<p><b>Herbs</b> – Herbs and trees. Stem - Activity to show conduction.</p> <p><b>Leaf</b>- drawing the parts of leaf . Activity to show different vention , transpiration, development of starch.</p> <p><b>Root</b> – activity to show plants plants need root to grow, Germination of seeds on wet cotton, Tap root and fibrous root.</p> <p><b>Flower</b> – drawing to show different parts of a flower. Activity demonsrating ovary and ovules.</p>
	<b>Fibre to Fabric</b>	<p><b>Yarn</b> – showing</p> <p><b>Fiber</b> – Natural , synthetic</p> <p><b>Natural fibres</b>- cotton , jute Description of how to get them from plant.</p>

		<p><b>Spinning</b> cotton yarn from fiber.</p> <p><b>Weaving</b> yarn into fabric. Activity to show yarning with paper strips of 2 different colours.</p> <p><b>Knitting</b></p> <p>History of clothing material.</p>
<u><b>JULY</b></u>	<b>Separation of substances</b>	<p><b>Methods of separation</b></p> <p>handpicking, winnowing, sieving, sedimentation, decantation filtration Evaporation</p> <p>Use of more than one method of separation.</p> <p>Saturated solution - demonstration of making a saturated solution.</p>
<u><b>AUGUST</b></u>	<b>. The living organisms &amp; their surroundings</b>	<p><b>Habitat and adaptation</b></p> <ul style="list-style-type: none"> <li>- Terrestrial habitat – eggs.</li> <li>- Aquatic habitats – eggs.</li> <li>- Biotic and abiotic components in the habitat.</li> <li>- Germination of moong seeds to show the influence of biotic and abiotic components (activity)</li> </ul> <p><b>Terrestrial habitat :</b></p> <ul style="list-style-type: none"> <li>(i) Desert <ul style="list-style-type: none"> <li>- Features of plants and animals living there.</li> </ul> </li> <li>(ii) Mountain regions <ul style="list-style-type: none"> <li>- Adaptive features of plants and animals living there.</li> </ul> </li> <li>(iii) Grasslands <ul style="list-style-type: none"> <li>- Features of animals living</li> </ul> </li> </ul>

		there. <b>Aquatic habitats:</b> - Features
<b><u>OCTOBER</u></b>	<b>Chapter 1 : Food : Where does it come from?</b>	- Food variety – ingredients - Food materials and their sources - Plant parts and animals products as food (i) Activity to show the sprouting of chana dal (ii) Activity to classify animals into herbivores, carnivores and omnivores - Herbivores, carnivores and omnivores – egs.
<b><u>NOVEMBER</u></b>	<b>Components of food</b> 1. Carbohydrates, fats, proteins, vitamins, minerals, fibres, their sources and significance for human health. 2. Balanced diet 3. Diseases and disabilities due to food deficiencies.	- Nutrients – naming them. - Examples of food items that contain each of these nutrients. - Test for starch – activity to demonstrate it. - Test for protein – activity to demonstrate it. - Test for fats – activity to demonstrate it. - Vitamins, minerals, roughage. - Draw diagrams to show plant and animal sources containing each of the nutrients. - Balanced diet - Deficiency diseases – egs.
<b><u>DECEMBER</u></b>	<b>Chapter 6 Changes around us</b>	Egs of different changes occurring around us. Classification of changes into reversible and irreversible . Activities to show the reversible and irreversible changes.
<b><u>JANUARY</u></b>	<b>Chapter 8 Body Movements</b>	Joints (i) Ball and Socket joint – location , peculiarities (ii)Pivotal joint- location , demomstration of its movement. (iii)Hinge joint- location, peculiarities of its movement.



<b><u>May</u></b>	From gathering to growing food.	<ul style="list-style-type: none"> <li>○ Explain how man turned from a food gatherer to a food producer.</li> <li>○ Appreciate and realize the effect of agriculture on the life of man as one stage of evolution.</li> <li>○ Classify the various uses of wheel.</li> <li>○ Analyze the importance of domestication of animals.</li> </ul> <p>Discuss the type of houses pottery and burial sites of Neolithic man in case study of</p>
<b><u>July</u></b>	<p>Meaning of civilization, Indus Valley civilization</p> <p>What books and burials tell us about Aryans.</p>	<ul style="list-style-type: none"> <li>○ Recognizes the characteristics of a civilization as a stage of evolution.</li> <li>○ Name and locate the various sites of Indus Valley civilization.</li> <li>○ Explain the emergence of civilization along the river valleys.</li> <li>○ Describe the various archaeological finds of Indus Valley.</li> <li>○ Judge and evaluate if sites of Indus Valley can be called a civilization.</li> <li>○ Comprehend the kind of life people lived, the trade they had and religious practice of people.</li> <li>○ Analyze the reasons for decline of a civilization.</li> <li>○ Value and appreciate the decline of an old and emergence of new.</li> <li>○ Make a scrapbook with all the pictures and drawing of various archaeological finds of this period.</li> </ul> <ul style="list-style-type: none"> <li>○ Explain the coming of Aryans</li> <li>○ Appreciate the rich contribution of the Vedas.</li> <li>○ Comprehend the political, economic and social life of early and later vedic age.</li> <li>○ Contrast and compare the life of early Aryans an later Aryans.</li> <li>○ Justify the effect of Religion on the life of the people.</li> <li>○ Debate and discuss the story of Mughals.</li> </ul>
<b><u>August</u></b>	Kingdoms , Kings and early Republic.	<ul style="list-style-type: none"> <li>○ Explain the term Janpada, Mahajanpada, Ganasangha.</li> <li>○ Name the Mahajanpadas and Ganasanghas.</li> </ul>

		<ul style="list-style-type: none"> <li>○ Comprehend the effect of use of iron on agriculture.</li> <li>○ Identify the reasons for emergence of Magadha.</li> <li>○ Compare and contrast a kingdom and a republic.</li> <li>○ Analyze the life of the people and Varna system.</li> <li>○ Imagine and appreciate the duties of a king.</li> <li>○ Value the importance of assembly decisions in Ganasangha.</li> <li>○ Locate the various Mahajanpadas on a map.</li> </ul>
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<b><u>September</u></b>	New Questions and ideas , Upanishads, causes of a new religion faith , Jainism, Buddhism.	<ul style="list-style-type: none"> <li>○ Explain the teachings of Upanishads.</li> <li>○ Describe the life of Mahavira Buddha and their teachings.</li> <li>○ Appreciate and value the rules for Jain monks and Buddhist. Describe the sangha and monasteries  Analyze the system of ashrams.</li> </ul>
<b><u>October</u></b>	Ashoka , the emperor who gave up war.	<p>Explain the achievement of Chandra Gupta Maurya , Bindusara , Ashoka.</p> <p>Realize the disadvantages of war and advantage of peace.</p> <p>Explain Ashoka's Dharma , administration life of people and art and architecture of Mauryans</p> <p>Name the important cities under Ashoka's rule and mark them on the map.</p>
<b><u>November</u></b>	Vital Village thriving towns second urbanization.	<ul style="list-style-type: none"> <li>○ Describe the use of iron in Agriculture .</li> <li>○ Realize the value of a co cooperative movement through guilds and shrenies. Name the various towns and cities that developed.</li> </ul>

	Trade, Kings and Pilgrims	<ul style="list-style-type: none"> <li>○ Comprehend the importance of Mathura.</li> <li>○ Describe the importance of Sangam literature.</li> <li>○ Name the rulers of the Cholas, Cheras and pandyas and state their achievement</li> <li>○ .Debate and decide whether Kanishka war second Ashoka</li> <li>○ Value and appreciate the difficulties of traders travelling through Silk route.</li> <li>○ Realize how trade leads to interaction and Spread of Buddhism.</li> <li>○ Analyze the account of Fa Hein</li> <li>○ Value the mergence of bhakti.</li> </ul>
<b><u>December</u></b>	New empire and kingdom.	<ul style="list-style-type: none"> <li>○ Describe the achievements of the various Gupta rulers.</li> <li>○ Arrange their rule on the basis of hierarchy.</li> <li>○ Explain the rule of Harshavardhana and sources available to study them.</li> <li>○ Justify the changes in administration.</li> <li>○ Compare and contrast the difference between Mauryan and Gupta administration.</li> <li>○ Respect and associate the feelings of family tree.</li> <li>○ Value the importance of people's participation in administration.</li> <li>○ Mark the various important cities under the Gupta's rule.</li> <li>○ .</li> </ul>
<b><u>January</u></b>	Buildings, paintings and	<ul style="list-style-type: none"> <li>○ State and explain the various religious</li> </ul>

	books.	<p>and secular works written on paper.</p> <ul style="list-style-type: none"> <li>○ Describe the structure of stupas, temples caves</li> <li>○ Identify the various structure and their features given in the pictures</li> </ul>
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### CIVICS

Month	Concepts	Objectives
<b><u>APRIL</u></b>	Diversity, Unity in diversity.	<ul style="list-style-type: none"> <li>○ Analysing why people are different.</li> <li>○ Identifying the diversity in people, society, country.</li> <li>○ Respecting our diverse culture.</li> <li>○ Valuing the importance of being an Indian citizen.</li> <li>○ Appreciating the unity among the people of India.</li> <li>○ Preparing a collage to show Unity in diversity in India.</li> </ul>
<b><u>MAY</u></b>	Stereotypes and prejudice, Discrimination and inequality, Discrimination and caste system, struggle for freedom and equality	<ul style="list-style-type: none"> <li>○ Acknowledging and exploring the reason which gives rise to formation of attitudes or stereotypes.</li> <li>○ Explaining the term prejudice through examples.</li> <li>○ Analyzing the relationship between discrimination and inequality.</li> <li>○ Debate and assess how caste system leads to discrimination.</li> <li>○ Discuss the efforts of government to strive for equality.</li> <li>○ Appreciating and valuing the need for equality in society.</li> <li>○ Draft and draw a preamble and constitution for your class.</li> </ul>
<b><u>JULY</u></b>	Need for a government, organs of government, types of government.	<ul style="list-style-type: none"> <li>○ Value the need for rules in our life.</li> <li>○ Analyze the functions of government.</li> <li>○ Describe the organs of government and levels of government.</li> <li>○ Compare and contrast the types of government.</li> <li>○ Appreciate the rights given to</li> </ul>

		us in a democracy.
<b><u>AUGUST</u></b>	Apartheid, Representative democracy, participation through election, causes and consequence of conflicts	<ul style="list-style-type: none"> <li>○ Appreciate the features of democracy</li> <li>○ Explain the causes of conflicts and their consequences through examples</li> <li>○ Analyze and justify the essential features of democracy.</li> <li>○ Prepare and enact a street play showing the importance of democracy.</li> </ul>
<b><u>SEPTEMBER</u></b>	Gram Sabha, Gram Panchayat, Panchayati Raj.	<ul style="list-style-type: none"> <li>○ Compare and contrast the Gram Sabha and Gram Panchayat</li> <li>○ Describe the composition and functions of Gram Panchayat.</li> <li>○ Realize the need for local government at village level.</li> <li>○ Analyze the three layers of Panchayati Raj System.</li> <li>○ Explain the sources of income of the Panchayat.</li> <li>○ Enact the village Panchayat in a group.</li> </ul>
<b><u>OCTOBER</u></b>	Maintenance of law and order, Maintenance of land records	<ul style="list-style-type: none"> <li>○ Realise the importance of law and order in society and life.</li> <li>○ Describe the duties and structure of Police department.</li> <li>○ Analyze and discuss the importance of maintenance of land records.</li> <li>○ Explain the functions of District Collector and Patwari.</li> </ul>
<b><u>NOVEMBER</u></b>	Composition of municipal body, functions of municipal bodies, Sources of income.	<ul style="list-style-type: none"> <li>○ Compare and contrast the administration of village and cities.</li> <li>○ Explain the structure and composition of municipal bodies.</li> <li>○ Value the importance of our surrounding and facilities available in Urban areas.</li> <li>○ Analyze the sources of income of municipal bodies.</li> <li>○ Discuss the various methods of expressing grievances.</li> <li>○ Suggest some methods of expressing the grievances.</li> </ul>

		<ul style="list-style-type: none"> <li>○ Prepare a collage of various facilities provided by municipal bodies.</li> </ul>
<b><u>DECEMBER</u></b>	Livelihood, Occupation of people in village	<ul style="list-style-type: none"> <li>○ Explaining the occupations in various sectors.</li> <li>○ Appreciate our dependence on the farmers and respect the difficulties they face</li> <li>○ Compare and contrast the life of landless peasant and large farmer</li> <li>○ Analyze the effect of reforms made by government in recent years on the farmers.</li> </ul>
<b><u>JANUARY</u></b>	Urban livelihoods	<ul style="list-style-type: none"> <li>○ Discuss and debate the difficulties of life of street vendor, rickshaw pullers, vegetable vendor, domestic and factory worker</li> <li>○ Compare and contrast the urban and rural livelihood</li> <li>○ Respect and value the dependence on various occupations in cities.</li> </ul>

## GEOGRAPHY

<b>MONTH</b>	<b>CONCEPTS</b>	<b>OBJECTIVES</b>
<b>APRIL</b>	Planet earth in solar system, stars, solar system and other celestial bodies.	<ul style="list-style-type: none"> <li>- Justify the unique place of all planets in solar system especially earth.</li> <li>- Draw the solar system.</li> <li>- Value the importance of the head of the family like the sun.</li> <li>- Value the resources on earth which has made life possible on it.</li> <li>- Distinguish between stars and planet, plane and satellites, universe</li> </ul>

		and galaxy, comets and asteroids.
<b>May / July</b>	Globe latitudes and longitudes	<ul style="list-style-type: none"> <li>- Look and examine the lines of latitude and longitude.</li> <li>- Draw the lines of latitudes and longitudes and heat zones.</li> <li>- Analyse the importance of heat zones.</li> <li>- Calculate the standard time .</li> <li>- Compare and contrast local time and standard time, latitudes and longitudes.</li> <li>- Analyse the time zones.</li> <li>- Respect the difference in the times on the globe.</li> </ul>
<b>August</b>	Rotation and Revolution	<ul style="list-style-type: none"> <li>- Reason and describe the formation of days and nights.</li> <li>- Draw the diagram of days and nights and cycle of seasons.</li> <li>- Distinguish between dawn and dark, rotation and revolution, summer and winter solstices.</li> <li>- Justify the formation of seas</li> <li>- Realize the importance of the effect of season on living beings.</li> </ul>
<b>September</b>	Maps ,	<ul style="list-style-type: none"> <li>- Identify the</li> </ul>

	Sketches, Plan	<p>advantages and disadvantages of map.</p> <ul style="list-style-type: none"> <li>- Categorize the various types of maps.</li> <li>- Distinguish between map and globe, plan and sketch, map and sketch.</li> <li>- Identify the various components of map.</li> <li>- Draw the four main cardinal directions and convectional symbols, sketch and plan.</li> <li>- Interpret the signs and symbols used in map.</li> <li>- Appreciate the need of various components of map.</li> </ul>
<b>October</b>	Lithosphere, Biosphere, Hydrosphere, Atmosphere, Continents and Oceans.	<ul style="list-style-type: none"> <li>- Name and explore the various realms of the earth.</li> <li>- Justify the importance of all the realms.</li> <li>- Recognize the contributions of oceans to living</li> <li>- Reflect the need of preserving the atmosphere.</li> <li>- Acknowledging the interdependence of human and environment.</li> <li>- Naming and locating the various continents and oceans.</li> <li>- Analyse the various physical</li> </ul>

		<p>features of each continent.</p> <ul style="list-style-type: none"> <li>- Mark the continents and oceans on the map.</li> </ul>
<b>November</b>	Mountain, plateau, plains and relief features.	<ul style="list-style-type: none"> <li>- Describe the formation of various landforms.</li> <li>- Draw the various landforms.</li> <li>- Analyze the importance of various landforms.</li> <li>- Realize the appreciate the interdependence of human beings and various landforms.</li> </ul>
<b>December</b>	India – physical features, location.	<ul style="list-style-type: none"> <li>- Locate and name the neighbouring countries and states of India.</li> <li>- Name and state the latitudinal extent, southernmost point, important latitudes, surrounding water bodies, land area, length and width, population.</li> <li>- Colour, various physical features on the map.</li> <li>- Compare and contrast various physical features.</li> <li>- Recognize the interdependence of various physical features of India.</li> </ul>
<b>January</b>	Four seasons in India, Factors effecting the climate of India,	<ul style="list-style-type: none"> <li>- Explain the kind of climate India has.</li> <li>- Compare and contrast various</li> </ul>

	India natural vegetation.	seasons. - Define mango shower, loo, western disturbances, monsoon. - Value diversity of climate contrast - Classify the various types of natural vegetation found in India. - Compare and contrast the various kind of natural vegetation. - Justify the characteristics of various vegetation zones, biosphere reserve . - Realize the importance of forest in India. - Make a collage of various kinds of wildlife found in India.
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### COMPUTER SCIENCE

Month	Topic
April / May	<b>Evolution of Computers</b> Early developments, Electronic computers, Generations of Computers <b>Computer System Organisation</b> Basic function of a computer system, Units present in a computer system, Memory in a computer system, Input and Output devices.
July	<b>Introduction to Visual Basic</b> VB environment, Concept of program Form events, Controls in VB, Variables and Literals, Types of literals, Print statement, Writing simple programs in VB.
August	<b>Programming Languages</b> Types of programming languages, Languages Translators.
October	<b>Windows 95 / 98</b>

	Files and folders, Copying, Moving and Deleting Files or folders.
<b>November</b>	<b>Word Processing in Word</b> Starting Word, Creating a document, Entering and editing text, Copying and moving the text, Spell check, Changing the case of the text, Find and replace the text.
<b>December</b>	<b>Word processing in Word – Formatting and Printing</b> Character formatting, Paragraph formatting, Page margins, Print preview, Printing a document.
<b>January</b>	<b>Internet – An Introduction</b> Network, Internet, Uses of the Internet, Services available on the net, Requirements to connect with the Internet.
<b>February</b>	<b>Revision.</b>

### GENERAL KNOWLEDGE

Month	Topic
April	Chp 1,2,3,4,5,6,7, 8,9,10
May	Chp 11,12, 13,14, 15
July	Chp 16,17,18, 19, 29, 21, 22, 23, 24, 25, 26
August	Chp .27, 28, 29, 30 , 31
September	Chp 32, 33, 34, 35, 36
October	Chp 37, 38, 39, 40
November	Chp 41, 42, 43, 44, 45, 46, 47, 48, 49
, December	Chp 50. 51, 52, 53, 54, 55
January	Chp 56, 57, 58, 59