

## Month's Overview

Class: 5		1st March - 31st March 2021
Subject	Concepts and Skills	
EVS	<p><b>Theme- Air</b></p> <p><b>Central Idea:</b> The atmosphere is composed of many layers significant for sustaining life on Earth.</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>• Presence of different layers of atmosphere is significant for life on Earth</li> <li>• Troposphere and stratosphere play an important role</li> <li>• Ozone is required for safe living</li> <li>• Oxygen and carbon dioxide cycles are two essential cycles to maintain life forms</li> <li>• Atmosphere is polluted by human activities</li> </ul> <p><b>Theme- Matter</b></p> <p><b>Central Idea:</b> Changing properties of matter determine their usage.</p> <p><b>Lines of Inquiry:</b></p> <ul style="list-style-type: none"> <li>• Arrangement of particles in states of matter</li> <li>• Changes in states of matter</li> <li>• Application of matter in real life</li> <li>• Separation techniques for solutions and mixtures</li> </ul>	

**ENGLISH**

**Phonics and Vocabulary**

- Recognise common letter strings in words pronounced differently
- Use dictionaries efficiently and carry out IT spell checks
- Collect synonyms and opposites and investigate shades of meaning
- Use a thesaurus to extend vocabulary and the choice of words
- Investigate ways of creating opposites (e.g. 'un', 'im') and comparatives (e.g. 'er', 'est')
- Use effective strategies for learning new spellings and mis-spelt words
- Use known spellings to work out the spelling of related words
- Investigate the meaning and spelling of common prefixes (e.g. auto-, bi-, trans-)
- Identify unstressed vowels in polysyllabic words (e.g. carpet, interest)
- Identify unfamiliar words, explore definitions and use new words in context
- Investigate the origin and appropriate use of idiomatic phrases.
- Discuss metaphorical expressions and figures of speech
- Investigate patterns in the use of single and double consonants (e.g. full / ful)

**Grammar and Punctuation**

- Practise proof reading and editing writing for clarity and correctness
- Understand conventions of Standard English
- Place full stops correctly at the end of complex sentences.
- Use pronouns (including possessive and reflexive pronouns) making clear to what or to whom they refer
- Learn to identify subject verb agreement accurately and use it accurately

	<p><b>Reading</b></p> <ul style="list-style-type: none"> <li>• Read widely and explore the features of different genres (poetry, fiction &amp; non-fiction).</li> <li>• Locate information confidently and efficiently from different sources</li> <li>• Skim-read to gain overall sense of a text and scan for specific information</li> <li>• Develop note taking to extract key points and to group and link ideas</li> <li>• Explore the features of texts which recount events and experiences (e.g. diaries)</li> <li>• Read narrative poems and perform/read aloud poems in a variety of ways</li> <li>• Interpret imagery, adding to understanding of the text beyond the literal</li> <li>• Read poems by significant poets and compare style, form and themes</li> </ul> <p><b>Writing</b></p> <ul style="list-style-type: none"> <li>• Review, revise and edit writing in order to improve it, using IT as appropriate</li> <li>• Choose words and phrases carefully to convey feeling and atmosphere</li> <li>• Map out writing to plan structure of the response (e.g. paragraphs, sections and chapters)</li> <li>• Make notes for different purposes using simple abbreviations</li> <li>• Understand the use of notes in writing in your own words</li> <li>• Evaluate own and others writing</li> <li>• Write non-chronological reports and explanation</li> </ul>
<b>MATHS</b>	<p><b>Number Sense</b></p> <ul style="list-style-type: none"> <li>• Multiply and divide a fraction by a whole number</li> <li>• Multiply two or more fractions or mixed numbers</li> </ul>

- Factorise whole numbers by prime factorisation and Common division
- Understand the reciprocal of a fraction
- Divide a whole number by a fraction
- Divide one fraction or mixed number by a counting number or another fraction or mixed number
- Solve problems involving comparing, addition, subtraction, multiplication and division of fractions or mixed numbers
- Find the Highest Common Factor and Lowest Common multiple using prime factorisation and Common division method
- Demonstrate the understanding of and use of decimals upto 3 decimal places, including place value and expanded form
- Convert fractions into decimals and vice versa
- Express common fractions as decimals
- Compare decimals upto 3 decimal places and arrange decimals in ascending and descending order
- Add and subtract decimals up to 3 decimal places with and without regrouping.
- Demonstrate understanding of a percent as parts of a hundred and the representation of a percent as %
- Express a fraction (denominator a factor of 100) as a percent and then as a decimal (using squares divided into 100 parts)
- Convert a percent into a decimal and into a fraction in lowest terms
- Convert decimals as percents and certain fractions as percents
- Convert a counting number into a percentage
- Solve daily life problems involving money, time, and metric units of length,

weight and capacity with the use of percentage

**Measurement**

- Estimate and measure perimeter of a rectangle, square or a triangle
- Find area of rectangular or square region using any strategy

**Geometry**

- Use geometric instruments for measuring and drawing angles, line segments and lines.
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- Understand and use angle measure in degrees
- Classify the different kinds of triangles, understand their properties (scalene, isosceles, equilateral, acute, obtuse, and right triangles) and construct them
- Identify the different types of polygons and their properties

**Data handling**

- Read information on given bar graph (single and double), tally chart and pictograph
- Solve sums based on bar graph
- Create a bar graph, tally chart or a pictograph from the given data

**HINDI**

**Listening and speaking**

- Report back to a group, using notes and present findings about a topic studied
- Prepare and present an argument to persuade others to a point of view
- Talk confidently and listen purposefully in a range of contexts

	<ul style="list-style-type: none"> <li>• Develop confidence in performing (e.g. a play, a poem etc.)</li> </ul> <p><b>Grammar</b></p> <ul style="list-style-type: none"> <li>• Give grammatically correct answers</li> <li>• Understand the difference between proverb and idioms</li> <li>• Understand homophones and their usage in language</li> <li>• Read and evaluate unseen passages to draw logical connections</li> </ul> <p><b>Reading</b></p> <ul style="list-style-type: none"> <li>• Interpret imagery, adding to understanding of the text beyond the literal</li> <li>• Skim-read to gain overall sense of a text and scan for specific information</li> <li>• Read aloud according to all matras, appropriate punctuation, pronunciation and expression</li> <li>• Read widely and explore the features of different genres (poetry, fiction &amp; non-fiction).</li> </ul> <p><b>Writing</b></p> <ul style="list-style-type: none"> <li>• Write character sketches (based on lessons or stories), using details to capture the reader's imagination</li> <li>• Write any article independently by presenting an explanation or point of view in ordered points</li> <li>• Choose words and phrases carefully to convey feeling and atmosphere while writing on their experiences</li> <li>• Review, revise and edit writing in order to improve it</li> </ul>
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<b>ICT</b>	<p><b>Skills</b></p> <ul style="list-style-type: none"> <li>• Be able to understand the concept of scratch programming</li> </ul>
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	<ul style="list-style-type: none"><li>● Be able to manipulate sprite</li><li>● Be able to understand the components of CPU</li></ul>
<b>GUJARATI</b>	<p><b>Listening and speaking</b></p> <ul style="list-style-type: none"><li>● Ask questions to develop ideas and extend understanding</li><li>● Listen purposefully in a range of contexts (questions, instructions, discussions, stories, audios, etc.)</li></ul> <p><b>Grammar</b></p> <ul style="list-style-type: none"><li>● Give grammatically correct answers</li></ul> <p><b>Reading</b></p> <ul style="list-style-type: none"><li>● Read aloud according to all matras, appropriate punctuation, pronunciation and expression</li><li>● Read widely and explore the features of different genres (poetry, fiction &amp; non-fiction)</li></ul> <p><b>Writing</b></p> <ul style="list-style-type: none"><li>● Write correct sentences while following grammatical rules</li></ul>

## List of Vocabulary for the Coming Month

Wind

Gale

Storms

Thunderstorm

Exosphere

Mesosphere

Meteor

Thermosphere

Stratosphere

Troposphere

Ozone

Respiration

Oxygen Cycle

Carbon Cycle

Chlorofluorocarbon

Solid

Liquid

Gases

Reversible change

Irreversible change

Evaporation

Condensation

Melting

Freezing

Dissolving

Sublimation

Heating

Mixing

Burning

Watercycle

Expansion

Contraction

Physical Change

Chemical Change



Solution  
Solvent  
Solute  
Solubility  
Saturated Solution  
Miscible liquid  
Immiscible liquid  
Homogeneous mixtures  
Heterogeneous mixtures  
Filtration  
Sedimentation  
Decantation  
Supernatant  
Handpicking  
Winnowing  
Sieving  
Threshing  
Auburn  
Deliberately  
Precarious  
Jaunty  
Disperse  
Scurry past  
Disguise  
Impulse  
Celsius  
Fahrenheit  
Quadrilaterals  
Rhombus  
Parallelogram  
Polygons  
Capacity  
Radius  
Diameter  
Chord  
Arc