

## Month's Overview

Class: 5		9th March - 27th April 2022
<b>Subject</b>	<b>Concepts and Skills</b>	
<b>General</b>	<b>Learning Skills</b> <ul style="list-style-type: none"> <li>• Collaboration</li> <li>• Critical Thinking</li> <li>• Active listening</li> <li>• Problem Solving</li> <li>• Leadership</li> <li>• Empathy and Flexibility</li> </ul>	
<b>EVS</b>	<b>Subject specific skills :</b> <ul style="list-style-type: none"> <li>• How to approach a question based on marks and keywords.</li> <li>• Writing definitions, reasons and differences using proper scientific language</li> <li>• Proper diagrammatic representation.</li> <li>• Scientific thinking skills - observation, hypothesizing and concluding.</li> </ul> <b>Theme: Matter</b> <b>Central Idea:</b> Changing properties of matter determine their usage. <b>Lines of Inquiry:</b> <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> <b>Recap Revision</b>	

	<ul style="list-style-type: none"> <li>● Dispersion of light and refraction of light</li> <li>● Local self govt</li> <li>● Nervous system</li> <li>● Experiments of matter</li> </ul>
<b>ENGLISH</b>	<p><b>Subject Specific skills</b></p> <ul style="list-style-type: none"> <li>● Comprehension skills</li> <li>● Read widely and explore the features of different genres (poetry, fiction &amp; non-fiction).</li> <li>● Understand the use of notes in writing in your own words</li> </ul> <p><b>Phonics and Vocabulary</b></p> <ul style="list-style-type: none"> <li>● Recognise common letter strings in words pronounced differently</li> <li>● Use dictionaries efficiently and carry out IT spell checks</li> <li>● Collect synonyms and opposites and investigate shades of meaning</li> <li>● Use a thesaurus to extend vocabulary and the choice of words</li> <li>● Investigate ways of creating opposites (e.g. 'un', 'im') and comparatives (e.g. 'er', 'est')</li> <li>● Use effective strategies for learning new spellings and mis-spelt words</li> <li>● Use known spellings to work out the spelling of related words</li> <li>● Investigate the meaning and spelling of common prefixes (e.g. auto-, bi-, trans-)</li> <li>● Identify unstressed vowels in polysyllabic words (e.g. carpet, interest)</li> <li>● Identify unfamiliar words, explore definitions and use new words in context</li> <li>● Investigate the origin and appropriate use of idiomatic phrases.</li> <li>● Discuss metaphorical expressions and figures of speech</li> <li>● Investigate patterns in the use of single and double consonants (e.g. full / ful)</li> </ul> <p><b>Grammar and Punctuation</b></p> <ul style="list-style-type: none"> <li>● Practise proof reading and editing writing for clarity and correctness</li> </ul>

- 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

### **Reading**

- Read widely and explore the features of different genres (poetry, fiction & non-fiction).
- Locate information confidently and efficiently from different sources
- Skim-read to gain overall sense of a text and scan for specific information
- Develop note taking to extract key points and to group and link ideas
- Explore the features of texts which recount events and experiences (e.g. diaries)
- Read narrative poems and perform/read aloud poems in a variety of ways
- Interpret imagery, adding to understanding of the text beyond the literal
- Read poems by significant poets and compare style, form and themes

### **Writing**

- Review, revise and edit writing in order to improve it, using IT as appropriate
- Choose words and phrases carefully to convey feeling and atmosphere
- Map out writing to plan structure of the response (e.g. paragraphs, sections and chapters)
- Make notes for different purposes using simple abbreviations
- Understand the use of notes in writing in your own words
- Evaluate own and others writing
- Write non-chronological reports and explanation

### **Recap and Revision**

- Perfect tenses

	<ul style="list-style-type: none"><li>• Descriptive essay writing</li><li>• Writing formal letter</li><li>• Comprehension worksheets</li></ul>
<b>MATHS</b>	<p><b>Subject specific skills :</b></p> <ul style="list-style-type: none"><li>• Process visibility in computation.</li><li>• To present written work clearly and neatly</li><li>• To identify the rule of patterns and apply it further</li><li>• To organize and interpret data</li><li>• Problem Solving and analysis</li></ul> <p><b>Number Sense</b></p> <ul style="list-style-type: none"><li>• Multiply and divide a fraction by a whole number</li><li>• Divide a whole number by a fraction</li><li>• Solve problems involving comparing, addition, subtraction, multiplication and division of fractions or mixed numbers</li><li>• Add and subtract decimals up to 3 decimal places with and without regrouping.</li><li>• Demonstrate understanding of a percent as parts of a hundred and the representation of a percent as %</li><li>• Express a fraction (denominator a factor of 100) as a percent and then as a decimal (using squares divided into 100 parts)</li><li>• Convert a percent into a decimal and into a fraction in lowest terms</li><li>• Convert decimals as percents and certain fractions as percents</li><li>• Convert a counting number into a percentage</li></ul> <p><b>Measurement</b></p> <ul style="list-style-type: none"><li>• Estimate and measure perimeter of a rectangle, square or a triangle</li><li>• Find area of rectangular or square region using any strategy</li></ul> <p><b>Geometry</b></p> <ul style="list-style-type: none"><li>• Understand and use angle measure in degrees</li></ul>

	<ul style="list-style-type: none"> <li>• Classify the different kinds of triangles, understand their properties (scalene, isosceles, equilateral, acute, obtuse, and right triangles) and construct them</li> <li>• Identify the different types of polygons and their properties</li> </ul> <p><b>Data handling</b></p> <ul style="list-style-type: none"> <li>• Read information on given bar graph (single and double), tally chart and pictograph</li> <li>• Create a bar graph, tally chart or a pictograph from the given data</li> </ul> <p><b>Recap and Revision</b></p> <ul style="list-style-type: none"> <li>• Find the Highest Common Factor and Lowest Common multiple using prime factorisation and Common division method</li> <li>• Multiply and divide a fraction.</li> <li>• Understand the reciprocal of a fraction</li> </ul>
<p><b>HINDI</b></p>	<p><b>Skills</b></p> <p>सुनना</p> <ul style="list-style-type: none"> <li>• विषय अनुरूप निर्देशों को ध्यान पूर्वक सुनना  </li> <li>• विषय अनुरूप की गई वार्तालाप को ध्यान पूर्वक सुनना  </li> </ul> <p>बोलना</p> <ul style="list-style-type: none"> <li>• भाषा के शुद्ध रूप के साथ अपने विचारों को विमर्श करना  </li> <li>• मात्राओं का सही उच्चारण करना  </li> <li>• विषय अनुरूप अपनी बात को शुद्ध हिंदी में आत्मविश्वास के साथ बोलना  </li> </ul> <p>पढ़ना</p> <ul style="list-style-type: none"> <li>• कहानी, कविता आदि को मात्रा और शब्दों के सही उच्चारण के अनुसार पढ़ना  </li> <li>• पढ़ते समय विराम चिन्हों का उचित प्रयोग करना  </li> </ul> <p>लिखना</p> <ul style="list-style-type: none"> <li>• लेख साफ सुथरा लिखना  </li> <li>• चित्र वर्णन, निबंध लेखन, पत्र लेखन, कहानी लेखन, प्रारूप के अनुसार लिखना  </li> </ul>

	<ul style="list-style-type: none"> <li>● लिखते समय छोटी बड़ी मात्राओं का विशेष ध्यान रखना ।</li> <li>● प्रत्येक शब्दों के बीच में थोड़ी दूरी बना कर लिखना ।</li> </ul> <p><b>Recap and Revision</b></p> <ul style="list-style-type: none"> <li>● पाठों के आधार पर व्याकरण का अभ्यास कराना ।</li> <li>● चित्र वर्णन, निबंध लेखन, पत्र लेखन, कहानी लेखन, प्रारूप के अनुसार अभ्यास कराना ।</li> <li>● लिखने की गति पर विशेष ध्यान देना ।</li> <li>● प्रश्न उत्तर को सही शब्द सीमा के अनुसार लिखना ।</li> <li>● लिखते समय मात्राओं और शब्द रचना और वाक्य रचना की अशुद्धियों पर विशेष रूप से ध्यान देना ।</li> </ul>
<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> <li>● Be able to manipulate sprite</li> <li>● Be able to understand the concept of Internet</li> </ul>
<b>GUJARATI</b>	<p><b>Learning skills</b></p> <p>વર્ણોની ઓળખ</p> <ul style="list-style-type: none"> <li>● मात्राओं की ओळख અને ઉપયોગ</li> <li>● वाक्य रचनाમાં गुજराती शब्दोंનો ઉપયોગ</li> <li>● गुजराती वक्तव्य</li> <li>● गुजराती लेખન કૌશલ્ય</li> </ul> <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</li> </ul>

and expression

**Writing**

- Write correct sentences while following grammatical rules

**Recap and Revision**

- ગુજરાતી સ્વર, વ્યંજન,
- વારના નામ, વાહનો, પ્રાણીઓ, ફળ, શાકભાજી, દિશાઓ અને ઋતુઓ અને તેમને લગતા પ્રશ્નો.
- ચિત્ર વર્ણન દ્વારા સંકલિત લખાણ

## 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