

## Month's Overview

Class: 5

15<sup>th</sup> February - 20<sup>th</sup> March 2020

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	<p><b>Phonics and Vocabulary</b></p> <ul style="list-style-type: none"> <li>• Recognise common letter strings in words pronounced</li> </ul>

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
- Use effective strategies for learning new spellings and mis-spelt words
- Use known spellings to work out the spelling of related words
- Identify unfamiliar words, explore definitions and use new words in context
- Spell and use possessive pronouns correctly
- Extend understanding of the use of the adverbs to qualify verbs

#### **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 a wider range of adjectives (qualitative, interrogative, emphasizing) and adverbs (degree, frequency, interrogative, reason, affirmation and negation) to add details
- Understand different phrases and clauses in a sentence with their classification
- 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
- Identify the point of view from which a story is told
- Explore the features of texts which recount events and experiences (e.g. diaries)
- Analyse openings and compare the structure of different stories
- Consider how characters are presented, and their different perspectives
- Read and identify characteristics of myths, legends and fables
- Interpret imagery, adding to understanding of the text beyond the literal

## **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.

	<p>paragraphs, sections and chapters)</p> <ul style="list-style-type: none"> <li>• Describe events and convey opinions with increasing clarity</li> <li>• Record ideas, reflections and predictions about books (e.g. in a reading log)</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> </ul>
<p><b>MATH</b></p>	<p><b>Number Sense</b></p> <ul style="list-style-type: none"> <li>• Test divisibility of numbers by 2, 3, 4, 5</li> <li>• Calculate H.C.F and L.C.M of 2 or 3 numbers using factors and multiples</li> <li>• M4.7 Factorise a composite number by building a factor tree, prime factorization method and long division method</li> <li>• Express a composite number as product of prime numbers/factors using index notation and find H.C.F. and L.C.M. using factors</li> <li>• Solve daily life problems related to H.C.F. and L.C.M.</li> </ul> <p><b>Measurement</b></p> <ul style="list-style-type: none"> <li>• Understand and use the terms 'Temperature', 'Thermometer', 'Celsius' and 'Fahrenheit'</li> <li>• Read temperature on a thermometer (celsius and fahrenheit)</li> <li>• Calculate averages with simple numbers</li> </ul> <p><b>Geometry</b></p> <ul style="list-style-type: none"> <li>• Form hollow cubes and cuboids from shapes formed of squares</li> <li>• Visualize 3d shapes from given 2d drawings and nets eg.an open</li> </ul>

	<p>or closed cube</p> <ul style="list-style-type: none"> <li>• Make shapes of cube, cuboid, cones using the net specially designed for it</li> <li>• Identify the different types of polygons and their properties (triangle, quadrilateral, pentagon, hexagon, heptagon, octagon)</li> <li>• Understand the term 'Quadrilateral' and identify the different types of quadrilaterals and their properties (parallelogram, rectangle, rhombus, square)</li> <li>• Understand the terms related to circles (centre, radius, chord, diameter, circumference/perimeter, arc) and construct circles with different radii</li> <li>• Calculate the diameter and radius of a circle</li> </ul> <p><b>Data handling</b></p> <ul style="list-style-type: none"> <li>• Interpret pie charts and line graphs generally found in newspapers and magazines</li> </ul>
<p><b>HINDI</b></p>	<p><b>Listening and speaking</b></p> <ul style="list-style-type: none"> <li>• Report back to a group, using notes and present findings about a topic studied</li> <li>• Prepare and present an argument to persuade others to a point of view</li> <li>• Talk confidently and listen purposefully in a range of contexts</li> <li>• Develop confidence in performing (e.g. a play, a poem etc.)</li> <li>• Listen purposefully in a range of contexts (questions, instructions, discussions, stories, audios, etc.)</li> </ul>

**Grammar**

- Give grammatically correct answers
- Understand the difference between proverb and idioms
- Understand homophones and their usage in language
- Read and evaluate unseen passages to draw logical connections

**Reading**

- Interpret imagery, adding to understanding of the text beyond the literal
- Skim-read to gain overall sense of a text and scan for specific inform
- Read aloud according to all matras, appropriate punctuation, pronunciation and expression
- Read widely and explore the features of different genres (poetry, fiction & non-fiction).
- Analyse openings and compare the structure of different stories

**Writing**

- Write character sketches (based on lessons or stories), using details to capture the reader's imagination
- Write any article independently by presenting an explanation or point of view in ordered points
- Review, revise and edit writing in order to improve it
- Evaluate own and others writing

## Gujarati

### Listening and speaking

- Converse with friends, teachers and other adults and ask simple questions
- Listen and learn the new words while conversing in Gujarati (Names of colors, birds, animals, fruits, vegetables, days, body parts, numbers name)
- Join in and extend rhymes and refrains, playing with language patterns

### Grammar

- Differentiate between swaras and vyanjans
- Understand 'sayunkt akshar, and jorakshar', Chandrabindu and anuswar anunasik.
- Identify the difference between NANI and MOTI matra words .(a,aa,I,ee)
- Know that the end of a sentence is marked with a full stop
- Understand words and sentences without kana matra .

### Reading

- Read sentences with and without matras introduced in the class
- Read new words, vyanjans and swaras introduced in class (two, three and four letter words)also when the words appears in advertisement,newspaper,articles and cartoon stories.
- Use all information available(e.g pictures,punctuation,words)to make sense of what is read

	<p><b>Writing</b></p> <ul style="list-style-type: none"><li>• Spell familiar common words accurately, drawing on sight vocabulary</li><li>• Write number names from 1 to 20</li></ul>
<b>ICT</b>	<p><b>Skills (PowerPoint presentation)</b></p> <ul style="list-style-type: none"><li>• Characteristics and Limitations of a computer</li><li>• Generations of computer</li><li>• Difference between i3, i5 and i7 processor</li><li>• MS Power point-inserting video files ,date, slide number, charts</li><li>• Concept of programming</li><li>• Brief introduction to scratch programming</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  
Disburse  
Scurry past  
Disguise  
Impulse  
Celsius  
Fahrenheit  
Quadrilaterals  
Rhombus  
Parellogram  
Polygons  
Capacity  
Radius  
Diameter  
Chord  
Arc