

Month's Overview

Class: 4		1st February - 27th February 2021
Subject	Concepts and Skills	
EVS	<p>Project- Machines</p> <p>Central Idea- We need different kinds of simple and complex machines to make our life easier</p> <p>Lines Of Inquiry:</p> <ul style="list-style-type: none"> • Machines work on different principles (work, force, motion and friction) • Machines are invented and created for various uses • Impact of machines on human life • How simple machines are used to develop complex machines • Work, force and energy are related • Sources of energy <p>Theme: Our History</p> <p>Central Idea- Human lifestyles and culture has developed over the course of history, from the ancient to the modern period.</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Evolution of our history from Ancient to Modern Period • How human civilisations developed over time • Impact of some Famous Rulers of India 	
ENGLISH	<p>Phonics and Vocabulary</p> <ul style="list-style-type: none"> • Match spelling to meaning when words sound the same (homophones), e.g. to/two/too, right/write etc. 	

- Collect and classify words with common root (e.g. invent, prevent)
- Spell words with common letter strings but different pronunciations e.g. tough, thorough, trough, plough
- Extend earlier work on prefixes and suffixes done in previous class
- Check and correct spellings and identify words that need to be learned
- Use more powerful verbs (e.g. rushed instead of went)
- Seek alternatives for overused words and expressions for e.g. (nice - admirable, delightful, pleasant; good - acceptable, agreeable, excellent, favourable, valuable)
- Build words from other words with similar meanings, e.g. medical, medicine
- Use all the letters in sequence for alphabetical ordering
- Use a dictionary to find spelling and meaning of words

Grammar and Punctuation

- Identify all the punctuation marks and respond to them when reading
- Practise using commas to mark out meaning within sentences
- Investigate past, present and future tenses of verbs
- Re-read own writing to check punctuation and grammatical sense
- Learn the use of an apostrophe to show possession e.g. Girl's girls'
- Investigate the grammar of different sentences: statements, questions, orders, requests, suggestions, exclamatory.
- Identify prepositions and practice them while writing sentences

Reading

- Extend the range of reading from a variety of age appropriate books
- Understand how paragraphs and chapters are used to organize ideas

- Read further stories or poems by selected authors
- Distinguish between 'fact' and 'opinion' in reading and other media
- Note key words and phrases to identify the main points in a passage
- Explore narrative order and focus on significant events
- Explore implicit as well as explicit meanings within the text
- Read newspapers' reports and consider how they engage the reader
- Identify different types of non-fiction texts and their known key features
- Understand how points are ordered to make a coherent argument
- Explore the different processes of reading silently and reading aloud
- Investigate how persuasive writing is used to convince a reader

Writing

- Learn the technique of using joined up handwriting in all writing
- Collect and present information from non-fiction text
- Use paragraphs in writing to organise and sequence ideas
- Present an explanation or a point of view in ordered points (e.g. in a letter)
- Write newspaper-style reports, instructions and non-chronological reports
- Explore the layout and presentation of writing to fit its purpose
- Make short notes from a text and use these to aid writing
- Summarise a sentence or a paragraph in a limited number of words.

MATHS

Number system

- Demonstrate the understanding of odd and even numbers, prime numbers, composite numbers

- Understand and use the terms: odd, even, prime, composite, multiple and factor
- Understand and use the factor tree to find primes (upto 100) and composites
- Find H.C.F. and L.C.M. of 2 or 3 digit numbers using the prime factorization method and the factor tree method
- Demonstrate understanding of proper fraction as a representation of quantities that denote parts of a whole or a set and compute number statements through illustrations
- Identify a like fraction, unlike fraction, unit fraction, proper fraction, improper fraction and mixed numbers
- Demonstrate understanding of equivalent fractions of a given proper fraction
- Reduce a fraction to its 'lowest terms' or simplest form
- Compare and order two or more proper fractions with like or unlike denominators and numerators
- Use strategies to add and subtract two or more fractions and / or mixed numbers with like and unlike denominators

Algebra

- Generate and analyze patterns

Date handling

- Read and interpret information from a pictograph

Geometry

- Identify the different types of angles and their properties (right, acute, obtuse, straight)

	<ul style="list-style-type: none"> ● Identify and draw a line, line segment and ray and note their characteristics <p>Mathematical Reasoning</p> <ul style="list-style-type: none"> ● Analyse problems by identifying relationships, distinguishing relevant from irrelevant information, sequencing and prioritizing information and observing patterns ● Determine when and how to break a problem into simpler parts. ● Apply strategies and results from simpler problems to more complex problems ● Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables diagrams, and models to explain mathematical reasoning
<p>HINDI</p>	<p>Listening and speaking</p> <ul style="list-style-type: none"> ● Evaluate what is heard and give reasons for agreement or disagreement ● Understand the gist of the lesson and respond to questions thoughtfully ● Adapt the pace and volume of speaking when performing or reading aloud ● Speak clearly (using shudha bhasha) and confidently in a range of contexts <p>Grammar</p> <ul style="list-style-type: none"> ● Understand the use of compound words ● Develop awareness of the use of tenses while reading ● Understand the use of ('kriya shabd' ,etc) ● Understand the homophones and their usage in language ● Give grammatically correct answers <p>Reading</p> <ul style="list-style-type: none"> ● Investigate how settings and characters are built up from details

	<ul style="list-style-type: none"> ● Explore the impact of imaginary and figurative language in poetry and prose ● Understand how expressive and descriptive language creates mood ● Explore implicit as well as explicit meanings within the text ● Explore the different processes of reading silently and reading aloud <p>Writing</p> <ul style="list-style-type: none"> ● Write well structured sentences while following grammatical rules ● Write a simple article using paragraphs to organize information ● Write and present poems attending to the sound of words ● Explore layouts and presentation of writing to share about experiences from personal lives
ICT	<p>Skills</p> <ul style="list-style-type: none"> ● Be able to understand the commands of LOGO ● Be able to create basic figures using LOGO command

List of Vocabulary for the Coming Month

Machines
Simple
Complex
Lever
Pulley
Wheel
Axle
Inclined Plane
Screws
Wedge
Force
Work
Gravity
Friction
Newton
Energy
Fulcrum
Screwdriver
Wheelbarrow
Balance
Cylinder
Trolley
Flagpole
Blurred
Perseverance
Soot
Precaution
Blacksmith
Strive
Revolutionised
Congregation
Manuscript
Parchment
Monumental
Factor tree
Factorization

Equivalent fractions

Simplest form

L.C.M

Liter

Milli-liter