

Month's Overview

Class: 4

13th January to 14th February, 2020

Subject	Concepts and Skills
EVS	<p>Project: Machines</p> <p>Central Idea: We need different kinds of Simple and Complex machines to make our lives 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, created and modified 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
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

	<ul style="list-style-type: none"> • Make short notes from a text and use these to aid writing • Summarise a sentence or a paragraph in a limited number of words
<p>MATHS</p>	<p>Number System</p> <ul style="list-style-type: none"> • Understand the various terms used in multiplication namely multiple, multiplier, multiplicand, product and understand the properties of multiplication (order, grouping or associative, zero and property of one/distributive) • Perform basic mental computations involving multiplication tables till 15 • Multiply a 2, 3 or a 4 digit number by a 2,3 digit number without or with regrouping • 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 <p>Geometry</p> <ul style="list-style-type: none"> • Identify and draw a line, line segment and ray and note their characteristics • Measure and draw line segments of specified lengths • Identify the different types of angles and their properties (right, acute, obtuse, straight)

	<p>Fractions</p> <ul style="list-style-type: none"> • 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. <p>Data Handling</p> <ul style="list-style-type: none"> • Read, create and use tally chart and bar graph
<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 <p>Grammar and Punctuation</p> <ul style="list-style-type: none"> • Understand the use of synonym, antonym and their uses for language • Give grammatically correct answers • Understand homophones and their uses in languages. • Understand the use of 'kriya shabd' <p>Reading</p> <ul style="list-style-type: none"> • Understand how expressive and descriptive language creates mood • Investigate how settings and characters are built up from details • Explore the impact of imaginary and figurative language in poetry and prose

	<p>Writing</p> <ul style="list-style-type: none">• Use paragraphs (80 words) in writing to organize and sequence ideas• 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 create blueprint for their model in paint file• Be able to play games related to machine• Be able to do web search for their project

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

Fraction

Numerator

Denominator

Decimal

Multiple

Product

Factor

Right angle

Acute angle

Obtuse angle

Straight angle