

Upcoming Theme's Overview: Class 4

Theme Name and Number: Theme 5- Rocks, Minerals and Soils

Theme Dates: 12th December- 23rd December, 2022 and 2nd Jan- 13th Jan 2023

Central Idea: Rocks, minerals and soil are natural materials formed on Earth, which are important for our existence.

Lines of Inquiry:

- How rocks, minerals and soil are formed (**Function**)
- Types of rocks, minerals, soil and their composition (**Form**)
- Why we need rocks, minerals and soil (**Causation**)

English text name : Dinosaur Hunters (Kate McMullan)

Week No.	EVS	English	Maths	Hindi	ICT
Week 1	<ul style="list-style-type: none"> • Introduction to the heme • Identification of different types of rocks 	<ul style="list-style-type: none"> • Starter • Pre teach vocab 	<ul style="list-style-type: none"> • Number Sense- addition and subtraction of fractions, BODMAS • Geometry- Coordinates • Data Handling- Bar graph/ pictograph 	<ul style="list-style-type: none"> • Introduce to the chapter - Everest ke saath meri bheti • Shabd Jaal (Mount everest) • Hard words from the chapter 	<ul style="list-style-type: none"> • Presentation Software : • Opening a saved presentation • Recognize and select appropriate source materials to insert into the PowerPoint slide
Week 2	<ul style="list-style-type: none"> • Identifying common minerals in rocks- Moh's scale of hardness test • Types of Rocks-Sedimentary, Igneous, metamorphic • Soil formation 	<ul style="list-style-type: none"> • Predicting the text • Reading for gist • Reading for details 	<ul style="list-style-type: none"> • Number Sense- word problems of fractions, mixed bag (computation) • Geometry- Use of protractor to measure and construct angles 	<ul style="list-style-type: none"> • Read the Chapter and make some sentences according to the chapter • Write Q.A. in notebook • Write Q.A. in notebook (Continue) 	<ul style="list-style-type: none"> • Presentation Software : • Evaluate a finished document and refine it further.
Week 3	<ul style="list-style-type: none"> • Formation of soilTypes and function of soil 	<ul style="list-style-type: none"> • Reading • Grammar-Verbs • Tenses 	<ul style="list-style-type: none"> • Number Sense-Rigour (addition and 	<ul style="list-style-type: none"> • Exercise from the Text • General discussion 	<ul style="list-style-type: none"> • Online Games : • http://interactive

	<ul style="list-style-type: none"> • LayersSoil profile • Soil ErosionSoil erosion 		<p>subtraction of fractions), Indian and International number system</p> <ul style="list-style-type: none"> • Geometry- Types of angles and construction 	<p>according to the Bachendripaal</p> <ul style="list-style-type: none"> • Discuss the workbook 	<p>sites.weebly.com/math.html</p>
Week 4	<ul style="list-style-type: none"> • Uses of Rocks and MineralsSoil conservation • RecapUses of rocks and minerals • Performance TaskPerforman ce Task 	<ul style="list-style-type: none"> • Newspaper Report Writing • Performance Task • Revision 	<ul style="list-style-type: none"> • Number Sense- Rounding off numbers to nearest 100, use of properties of addition (order property, zero property and grouping property), reducing fractions to lowest form • Performance Task 	<ul style="list-style-type: none"> • Discuss the workbook • Softboard activity according to the theme Biography writing - Bachendripal 	<ul style="list-style-type: none"> • Online Games : http://interactivesites.weebly.com/rocks-and-minerals.html

List of Vocabulary for - Body Systems

EVS Vocabulary

Sedimentary

Igneous

Shale

Sandstone

lava

granite

solidification

pumice

Metamorphic

pressure

marble

slate

weathering

gravel

sandy

clayey

loamy

minerals

organic

inorganic

iron

silica

phosphate

Erosion

English Vocabulary

Mosses

Ferns
Scales
Ridges
Rock quarries
Chisels
Hammers
Bowie knife
Pack mules
Wagons
Picks
Shovels
Backhoe
Awl
Burlap
Winches
Crest
Rugged
Cannonballs

Maths Vocabulary

Equivalent fractions
Lowest common multiple
Highest common factor
Factorisation
Acute angle
Obtuse angle
Straight angle
Right angle
Area
Perimeter

Sides
Length
Width
Protractor
Unlike fractions
Like fractions
Mixed fractions
Coordinates
divisibility

A note for parents: You can reinforce the above vocabulary for children by ensuring that they understand the meaning of these words and its usage meaningfully, in different contexts. Children may be able to also read and write most of these words - although they are not expected to know the spellings of all of the words from the list.

Section II - Holistic Development

Holistic Development Area	To be covered...
Art and Design	<ul style="list-style-type: none"> • Learning about landscape drawing and making blocks for block printing.
Sports	<ul style="list-style-type: none"> • Athletics: Game discipline, fitness activities, running, long jump, preparing for sports day march past • Importance fitness test • Karate: Judo techniques, punches and kicks, defense techniques • Football: Defending, Dribbling - practice of finishing, redirecting the ball, push pass and instep pass • Stages of development in fitness
Interest Centers - Performing Arts	<p>Project Title: Dance Performance and Production for School's Annual Day</p> <ul style="list-style-type: none"> • Learning the Choreography on the song for Annual Day. • Discussions on costumes, props, and makeup for the performance. • Improvising and practicing the choreography.
Self-Enrichment	<ul style="list-style-type: none"> • Correctly define the term reproduction • Stages of development
Assembly, Events, Celebrations, House Activities	<ul style="list-style-type: none"> • Assembly <ul style="list-style-type: none"> ○ Class Presentations by Class 2A, Class 2B, Class 2C, Class 3C ○ Special Assembly- Christmas, Uttarayan

- House Activity
 - STEAM challenge