

**First Term Curriculum**  
**Session : 2022-23**  
**Subject- Science**  
**Class: V**

	Feb / March	April	May	June
<b>Content</b>	# More About Plants # Animals and Their Adaptations	# The Skeletal System, Muscular System and the Nervous System	# Good Health, Safety and First Aid	# Rocks and Minerals
<b>Learning Outcomes</b>	<u>Students will be able to:</u> -acquire knowledge of seed structure and study the conditions required for seed germination -analyze the various ways of seed dispersal. -compare the differences between the different types of crops  -identify the body parts involved in the movement of animals -investigate different ways of breathing organs in different animals -relate the body parts to the eating habits of animals	<u>Students will be able to:</u> -analyze various parts of the human Skeletal, muscular and nervous system -discuss the structure and functions of these parts -recognizes the different kinds of bones and joints	<u>Students will be able to:</u> -investigate the types of nutrients -differentiate between communicable and non-communicable diseases -analyze the importance of hygienic conditions, rest, exercise etc. in preventing diseases and living a healthy life	<u>Students will be able to</u> -identify and classify the different types of rocks -discuss the formation of different types of rocks - acquire knowledge about the uses of rocks and minerals
<b>Skills</b>	Knowledge/ Understanding/ Application/Analysis/ Evaluation	Knowledge/ Understanding/Application/ Analysis/Evaluation	Knowledge/ Understanding/ Application/Analysis/ Evaluation	Knowledge/ Understanding/ Application/Analysis/ Evaluation
<b>Activities</b>	<b>Competency skill based Activities/ Experiential learning Activities</b> * To show the internal structure of seed * Sprouting * Making scarecrow using waste materials  * Slogan Writing * Research on migratory birds * Role Play <b>(Integration with Art, English and SST)</b>	<b>Competency skill based Activities/ Experiential learning Activities</b> * Pictorial explanation of Human Skeleton * Explanation of working of muscles by self observation * Report on Braille system * The blindfold game of fame * A moral story in the form of PPT on great personalities with physical disabilities * Making model of an arm <b>(Integration with Art, English, Value Education and Physical Education)</b>	<b>Competency skill based Activities/ Experiential learning Activities</b> -Preparation of your diet chart * PPT/File Presentation * Poster on precautions or first aid  <b>(Integration with Art and IT)</b>	<b>Competency skill based Activities/ Experiential learning Activities</b> * Rock collection and observation * Slogan on Conservation of Natural Resources  <b>Art Integrated Project Monument Awareness (Integration with English and Sst)</b>
<b>Assessments</b>	: Pen – paper test, Observation, Diagrams, Report, Tabular information, Concept map, HOTS, reasoning questions, Search work, Model, Quiz, Value Based Questions, C.W and H.W			
	Main Book: Cambridge Science Voyage			

**Final Term Curriculum**  
**Session : 2022-23**  
**Subject- Science**  
**Class: V**

	July/August	September	October/November	November
<b>Content</b>	# Soil  # States of Matter	# More About Force,Energy and Simple Machines  # Air and Water	# Earth, Sun and Moon  # Natural Disasters	# Changes in Our Environment  # Revision of Syllabus
<b>Learning Outcomes</b>	<p><b><u>Students will be able to:</u></b></p> <ul style="list-style-type: none"> <li>-identify the layers of soil and process of soil formation</li> <li>-explain the factors that cause soil erosion</li> <li>-discuss the methods of soil conservation</li> <li>-differentiate between the properties and conversion of the three states of matter</li> <li>- analyze the difference between solute, solvent and solution</li> <li>-enlist the various types of changes</li> </ul>	<p><b><u>Students will be able to:</u></b></p> <ul style="list-style-type: none"> <li>-enlist types of forces and energy</li> <li>-discuss about simple machines and its types</li> <li>-discuss the importance of simple machines</li> <li>-state the importance of air and enlist the layers of atmosphere.</li> <li>-illustrate the composition of air,properties of air and water</li> <li>- compare soluble and insoluble impurities</li> </ul>	<p><b><u>Students will be able to:</u></b></p> <ul style="list-style-type: none"> <li>-explore about the Sun,Earth and Moon</li> <li>-identify and name the various phases of the moon and explain their formation -analyze about solar and lunar eclipses and artificial satellites</li> <li>-identify different types of natural disasters</li> <li>-classify the types of volcanoes.</li> <li>- describe the occurrence of earthquakes and use of seismographs.</li> </ul>	<p><b><u>Students will be able to</u></b></p> <ul style="list-style-type: none"> <li>-acquire knowledge about the causes and effects of different kinds of pollution</li> <li>-identify and describe the effect and impact of GreenHouse Effect, Acid rain and Global Warming.</li> <li>-describe the ways to conserve environment</li> </ul>
<b>Skills</b>	<b>Knowledge/ Understanding/Application/Analysis/Evaluation</b>	<b>Knowledge/ Understanding/Application/ Analysis/Evaluation</b>	<b>Knowledge/ Understanding/Application/ Analysis/Evaluation</b>	<b>Knowledge/ Understanding/ Application/Analysis/ Evaluation</b>
<b>Activities</b>	<p><b>Competency based Activities/ Experiential learning Activities</b></p> <ul style="list-style-type: none"> <li>*Make your own soil profile</li> <li>*Visit to a farm/ garden</li> <li>*Demonstration of examples of solid,liquid and gaseous substances <b>(Integration with Art and Value Education)</b></li> </ul>	<p><b>Competency skill based Activities/ Experiential learning Activities</b></p> <ul style="list-style-type: none"> <li>*PPT on how machines work</li> <li>*Model using daily things to show how a lever works</li> <li>* Demonstration of properties of air</li> <li>* Weather bulletin</li> <li>*Making water purifier <b>(Integration with Art,ITS and Value Education)</b></li> </ul>	<p><b>Competency skill based Activities/ Experiential learning Activities</b></p> <ul style="list-style-type: none"> <li>*PPT on topics related to Sun,Moon and satellites</li> <li>*Festivals related to phases of moon</li> <li>*Making of eclipses using balls</li> <li>*Report on various natural disasters</li> <li>* Making of an earthquake evacuation plan <b>(Integration with IT,SST,Art and Value Education)</b></li> </ul>	<p><b>Competency skill based Activities/ Experiential learning Activities</b></p> <ul style="list-style-type: none"> <li>*Report on benefits of carpooling</li> <li>*Observing GreenHouse effect in a nursery <b>(Integration with English and Value Education)</b></li> </ul>
<b>Assessments</b>	: Pen – paper test,Observation, Diagrams, Report,Tabular information, Concept map , HOTs , reasoning questions,Search work,Model,Quiz, Value Based Questions,C.W and H.W			
	<b>Main Book:Cambridge Science Voyage</b>			