

First Term Curriculum
Subject: Science
Class: V
Session: 2024-25

	April	May	June	July
Content	*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
Learning Outcomes	Students will be able to: -Explain the structure of a seed and Enlist the conditions required for seed germination. -Analyze the various ways of seed dispersal. -Compare the different types of crops on the basis of soil and climate. -Identify the body parts involved in the movement of animals. -Categorize the animals on the basis of breathing organs and body coverings. -Differentiate the animals based on their feeding habits.	Students will be able to: -Analyze various parts of the human Skeletal, muscular and nervous system. -Discuss the functions of the Skeletal, muscular system and nervous system. -Recognize and distinguish the different kinds of bones and joints.	Students will be able to: - Analyze the components of a balanced diet. -Differentiate and enlist communicable and noncommunicable diseases. - Discuss the importance of hygienic conditions, rest, exercise etc. in preventing diseases and living a healthy life.	Students will be able to -Identify and classify the different types of rocks -Explain the formation of different types of rocks. - Discuss the uses of rocks and minerals.
Skills	Knowledge/ Understanding/ Application/ Analysis/ Evaluation / Create	Knowledge/ Understanding/ Application/Analysis/ Evaluation /Create	Knowledge/ Understanding/ Application/ Analysis/ Evaluation / Create	Knowledge/ Understanding/ Application/ Analysis/ Evaluation/ Create
Activities	Competency Skill based Activities/ Experiential learning Activities * To show the internal structure of seed (Sprouting) *Making scarecrows using waste materials. *Visit to the farm/garden to explore various types of plants/crops. * Slogan Writing *Search Work on migratory birds on the following basis: distance covered, time taken and conditions. (Integration with Art and English)	Competency Skill based Activities/ Experiential learning Activities *Pictorial explanation of Human Skeleton *Explanation of working of muscles during physical exercise. *The blindfold game of fame *Making model of an arm *Image study of different body systems. (Integration with Art and Physical Education)	Competency Skill based Activities/ Experiential learning Activities: *Preparation of your diet chart for a week. *File Presentation: Any two deficiency diseases on the following head: cause, symptoms and ways to prevent these diseases. * Making of first aid box (Integration with Art and English)	Competency Skill based Activities/ Experiential learning Activities *Rock collection and observation *Slogan on Conservation of Natural Resources. (Integration with English and EVS)
Assessments	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 Publisher: Cambridge University Press			

Final Term Curriculum
Subject: Science
Class: V
Session: 2024-25

	August/September	October	November	December
Content	*Soil *States of Matter	*More About Force, Energy and Simple Machines *Natural Disasters	*Earth, Sun and Moon *Air and Water	* Changes in Our Environment * Revision of Syllabus
Learning Outcomes	Students will be able to: -Identify and distinguish the different layers of soil -Explain the process of formation of soil. -Discuss causes of soil erosion and the methods of soil conservation. -Compare the properties of three states of matter. - Differentiate between solute, solvent and solution. -Enlist and evaluate the various types of changes and properties of substances.	Students will be able to: -Enlist and compare the types of forces and energy. -Differentiate between the types of simple machines. -Discuss the importance of simple machines. -Enlist various types of natural disasters. -Discuss the occurrence of earthquakes and Interpret the use of seismographs. -Classify the types of volcanoes.	Students will be able to: -Explore about the Sun, Earth and Moon -Identify and compare the various phases of the moon. -Explain solar and lunar eclipses. -Discuss the importance of air and enlist the layers of atmosphere. -Illustrate the composition of air and the properties of air. - Explain the methods of purification of water.	Students will be able to:....0000 -Summarize the causes and effects of different kinds of pollution. -Identify and analyze the effect and impact of Greenhouse effect, Acid rain and Global Warming. -Describe the ways to conserve the environment.
Skills	Knowledge/ Understanding/Application/ Analysis/ Evaluation / Create	Knowledge/ Understanding/ Application/ Analysis/ Evaluation/ Create	Knowledge/ Understanding/ Application/ Analysis/ Evaluation / Create	Knowledge/ Understanding/ Application/ Analysis/ Evaluation / Create
Activities	Competency Skill based Activities/ Experiential learning Activities *Make your own soil profile. *To observe the effects of soil erosion. *Role play: compare properties of three states of matter *Lab activity: solubility of substances and types of changes. (Integration with Art)	Competency Skill based Activities/ Experiential learning Activities *Model of simple machines. *Enlist different forms of energy being used at home/School in tabular form. *Making a volcano. * Making of an earthquake evacuation plan (Integration with IT, Art)	Competency Skill based Activities/ Experiential learning Activities *Search work: Festivals celebrated based on the phases of the moon. *Making of eclipses using balls. * Demonstration of properties of air. * Weather bulletin *Making a water purifier. (Integration with IT and Art)	Competency Skill based Activities/ Experiential learning Activities Field Trip: *Observing Greenhouse effect in a nursery. *paragraph on benefits of carpooling. (Integration with English and Value Education)
Assessments	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			
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