

	Feb / March	April	May	June
Content	# Green plants # How plants survive	# Animals and their young ones # How animals survive	# Food: Our basic needs & Digestion	# Keeping safe
LEARNING OUTCOMES	<p><u>Students will be able to:</u></p> <ul style="list-style-type: none"> *Understand the structure of a leaf *Elicit the process of making food in plants (photosynthesis) * Explain the interdependence among plants and animals *Classify some amazingly different organisms <p>*Explore plants growing in different areas</p> <p>*Illustrate adaptation in plants</p> <p>*Identify some unusual plants</p> <p>*Appreciate the importance of plants for humans</p>	<p><u>Students will be able to:</u></p> <ul style="list-style-type: none"> *Identify egg laying animals that gives birth to young ones * Describe the structure of an egg * Distinguish between the life cycles of some animals *Explain mammals takes care of young ones <p>*Analyze the different features of animals suitable to their adaptations with respect to habitat, food, protection and behavior</p> <p>* Recognise animals in danger.</p>	<p><u>Students will be able to:</u></p> <ul style="list-style-type: none"> *Recognize/Identify various components of food and their functions * Analyse a balance diet *Apply their knowledge for using different methods of food <p>*Recognize different sets,number and types of teeth in humans</p> <p>* Illustrate the structure of a tooth.</p> <p>* Describe a digestive system and process of digestion.</p> <p>* Describe and differentiate about different types of microbes</p>	<p><u>Students will be able to:</u></p> <ul style="list-style-type: none"> *Cultivate a habit of implementing safety measures at home and outside home * Become aware about first aid
Skills	Knowledge/ Understanding/ Application/ Analysis/Evaluation	Knowledge/ Understanding/ Application/ Analysis/Evaluation	Knowledge/ Understanding/ Application/Analysis/ Evaluation	Knowledge/ Understanding/ Application/ Analysis/Evaluation
Activities	<p><u>Competency skill based activities/Experiential learning Activities</u></p> <ul style="list-style-type: none"> -To test the presence of starch in green leaves / potatoes . - To test that chlorophyll is necessary for photosynthesis - To show that fungi grow on decaying material <p>-Moral story on plants</p> <p>-Research on 'Rafflesia arnoldii '</p> <p>Integration of Subjects- English, Hindi, Moral Science,Art</p>	<p><u>Competency skill based activities/Experiential learning Activities</u></p> <ul style="list-style-type: none"> -Riddle time -Awareness campaign <p>-Role play</p> <ul style="list-style-type: none"> - Debate on 'Human activities put Animal Life in danger ' -Internet research on endangered animals . <p>Integration of Subjects- English, Hindi, Value Education,Science,Art,IT</p>	<p><u>Competency skill based activities/ Experiential learning Activities</u></p> <ul style="list-style-type: none"> -Speak about the importance of right and wrong posture. -Write five action points on no food wastage. -Prepare a balanced diet chart containing all healthy nutrients <p>To Observe how digestion starts in mouth</p> <ul style="list-style-type: none"> -Find words that need teeth to create sounds -Making home-made toothpaste <p>Integrated with English, Hindi, Science,Art, Math</p>	<p><u>Competency skill based activities/ Experiential learning Activities</u></p> <ul style="list-style-type: none"> -Make a list of emergency phone numbers - Prepare the first aid box -Find and draw road signs <p>Integrated with Art ,Math,Value Education</p>
Assessments	Pen – paper test,Observation, Diagrams, Report,Tabular information, Concept map , HOTS , reasoning questions,Search work,Model,Quiz, Based Questions,C.W and H.W			
	Main Book: Cambridge Science Voyage			

	July/August	September	October/November	November
Content	# Clothes We Wear #Solid, Liquid and Gases	# Force,Work and Energy Unit 5: Natural Phenomenon and Resources # The solar system	# Keeping Our Earth Clean	#Air ,Water and Weather Revision
LEARNING OUTCOMES	<u>Students will be able to:</u> *Describe the importance of clothes . Techniques used for printing the clothes *Compare and contrast between natural and synthetic fibers and patterns of a cloth * Identify and examine the states of matter *Analyze Changing states of matter and describe solute, solvent and solution.	<u>Students will be able to:</u> *Identify the types of forces *Analyze work in terms of science * Illustrate about the simple machines * Delineate energy and its sources . *Explore about the eight planets and the sun * Collect more information about satellites ,stars and constellations *Demonstrate rotation and revolution of earth.	<u>Students will be able to:</u> *Illustrate how human activities have caused pollution. *Differentiate between air ,water and land pollution. * Become aware of and will follow steps to avoid pollution in everyday life *Analyze the types of waste and its impact on wildlife *Apply reduce, reuse and recycle in daily life	<u>Students will be able to:</u> Students will be able to : *Observe the effect of Sun on weather conditions *Illustrate formation of sea breeze and land breeze *Recognise/Identify the different states of water *Describe the steps to make water fit for drinking.
Skills	Knowledge/ Understanding/ Application/Analysis/ Evaluation	Knowledge/ Understanding/ Application/Analysis/ Evaluation	Knowledge/ Understanding/ Application/Analysis/ Evaluation	Knowledge/ Understanding/ Application/ Analysis/ Evaluation
Activities	<u>Competency skill based activities/Experiential learning Activities</u> -Drawing a design that supports "Save the trees campaign" -Observe different cloth material and collect information about it - Search work on water exists in three forms - Making an observation table on the basis of density of water Integrated with Art, Math, It	<u>Competency skill based activities/Experiential learning Activities</u> -Make a simple machines -a paper windmill - Physical activity like Kicking the ball,push or pull any heavy thing - Making the best out of waste! - Research on Working of Archie's screw -Make a model of a" Solar system" and include the eight planets . -Ppt on rotation ,revolution and seasons. Integrated with ,Art,physical education, Value Education, IT,Math, SST.	<u>Competency skill based activities/Experiential learning Activities</u> -Slogan writing on 'Saving the Earth' -Research on best type of fuel -Report on the effect of human activities on destroying wildlife.! (Integrated with Art,IT, SSt)	<u>Competency skill based activities/Experiential learning Activities</u> -weather report - Model making of homemade water filters Integrated with Sst,Art,English
Assessments	Pen – paper test, worksheet,HOTs , reasoning questions, Flow Charts and diagrams ,tabular information, concept maps,Science Quiz,search work, Value based questions ,C.W and H.W			
	Main Book: Cambridge Science Voyage Diksha app			

