



**First Term Curriculum
Session 2023-24
Subject: Science
CLASS – IV**

	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	<u>Students will be able to:</u> *Understand the structure of a leaf *Elicit the process of making food in plants *Classify some amazingly different organisms *Explore plants growing in different areas *Illustrate adaptation in plants *Identify some unusual plants	<u>Students will be able to:</u> *Identify and differentiate between egg laying animals and animals that gives birth to young ones * Describe the structure of an egg * Distinguish between the life cycles of some animals *Analyze the different features of animals suitable to their adaptations with respect to habitat, food, protection and behavior * Recognise animals in danger.	<u>Students will be able to:</u> *Recognize various components of food and their functions * Analyse a balance diet *Apply their knowledge for using different methods of food preservation *Recognize different sets, number and types of teeth in humans * Describe a digestive system and process of digestion. * Describe and differentiate about different types of microbes	<u>Students will be able to:</u> *Implement safety measures at home and outside home * Create awareness about first aid
Skills	Knowledge/ Understanding/ Application/ Analysis/Evaluation	Knowledge/ Understanding/ Application/ Analysis/Evaluation/ Create	Knowledge/ Understanding/ Application/Analysis/ Evaluation/Create	Knowledge/ Understanding/ Application/ Analysis/Evaluation / Create
Activities	<u>Competency skill based activities/Experiential learning Activities</u> Lab Activities -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 Integration of Subjects- Value Education, Art and SST	<u>Competency skill based activities/Experiential learning Activities</u> - Model on life cycle of animals -Search work on endangered animals Integration of Subjects- English, Value Education, Art and IT	<u>Competency skill based activities/ Experiential learning Activities</u> - Collect information regarding food preservation methods done at home -Prepare a balanced diet chart containing all healthy nutrients - Report on home remedies for stomachache/ toothache Integrated with Value Education and Art	<u>Competency skill based activities/ Experiential learning Activities</u> -Make a list of emergency phone numbers - Prepare the first aid box Integrated with Art and Value Education
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			



**Final Term Curriculum
Session 2023-24
Subject: Science
Class – IV**

	July/August	September	October	November
Content	# Clothes We Wear #Solid, Liquid and Gases	# Force,Work and Energy # 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 *Contrast between natural and synthetic fibres * Illustrate the clothes we use in our everyday life * 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 * Illustrate about the simple machines * Classify different sources of energy *Explore about the eight planets and the sun * Understand about satellites ,stars and constellations *Demonstrate rotation and revolution of earth.	<u>Students will be able to:</u> *Differentiate between air ,water and land pollution. *Analyze the effect of human activities and follow steps to avoid pollution in everyday life *Apply reduce, reuse and recycle in daily life	<u>Students will be able to:</u> Students will be able to : *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/ Create	Knowledge/ Understanding/ Application/Analysis/ Evaluation/Create	Knowledge/ Understanding/ Application/Analysis/ Evaluation/Create	Knowledge/ Understanding/ Application/ Analysis/ Evaluation/ Create
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 -Experiment on changing states of matter Integrated with Art, Value Education and IT	<u>Competency skill based activities/Experiential learning Activities</u> -Design a simple machine -Model on rotation and revolution Integrated with ,Art,physical education, Value Education, IT and SST.	<u>Competency skill based activities/Experiential learning Activities</u> -Slogan writing on 'Saving the Earth' -Research on the types of fuel Integrated with Art, Value Education, English and IT	<u>Competency skill based activities/Experiential learning Activities</u> -water cycle model Integrated with Art and IT
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			