

Subject : Science
 Grade : IV
 Year : 2018-19

Month & No. of Teaching days	Unit	Subunits	Objectives	Activities Planned	Evaluation
Mar-8 Apr- 9	3. Human Body and Health	Lesson 8 – Clothes <ul style="list-style-type: none"> • Need for clothes • Fibres to fabric • Types of clothes • Care of clothes 	<ul style="list-style-type: none"> • Clothes are necessary to cover and protect our body. • Fibres can be natural or man-made. • We wear clothes made of different materials according to the weather. • We should take proper care of clothes to make them last longer. 	Tie and Dye Activity	<ul style="list-style-type: none"> • Worksheet – 1 • Group Discussion • Tie and dye activity
June–18	5. Materials and Matter	Lesson 12–Soil <ul style="list-style-type: none"> • Formation of soil • Soil Composition • Types of soil • Soil Profile • Soil Erosion • Soil Conservation 	<ul style="list-style-type: none"> • Understand the stages in the formation of soil. • List the components of soil. • Understand that Soil profile is the term used to describe the three layers of soil. • Identify the methods to conserve soil from erosion. 	<ul style="list-style-type: none"> • Lab Activity • Water holding capacity of soil • Observation of layers of soil • Soil Profile - Activity by children 	<ul style="list-style-type: none"> • Worksheet- 2 • Lab Activity • Observation Skills. • Identification of layers of soil
	1- Plant World	Lesson 1-The Green Plants. <ul style="list-style-type: none"> • Structure of a leaf • How do plants make their food? • Interdependence of plants and animals. 	<ul style="list-style-type: none"> • Understand the structure of a leaf • Appreciate the process of photosynthesis by which plants make their food. • Understand that plants and animals depend on each other for survival. 	<ul style="list-style-type: none"> • Lab Activity • (Showing presence of starch in the leaves) • Group Discussion on Life without plants and interdependence of plants and animals in nature. 	<ul style="list-style-type: none"> • Worksheet – 3 • Slip Test – 1 • GROUP DISCUSSION

July-22	1- Plant World	Lesson 2-Plant Adaptations <ul style="list-style-type: none"> Adaptations- aquatic, terrestrial, insectivorous, Non-green, parasitic 	<p>To create awareness among students that</p> <ul style="list-style-type: none"> Plants adapt themselves to survive in their habitat 	PROJECT ACTIVITY <ul style="list-style-type: none"> On A4 size papers (Collect pictures of plants of any one habitat and list their characteristics) 	<ul style="list-style-type: none"> Worksheet – 4 Slip Test- 2 Project Activity PERIODIC TEST- 1 (Revision Worksheet -1)
	4-Nature, Environment and Space	Lesson 9-Air, Water and Weather <ul style="list-style-type: none"> The Sun and the weather Air Water 	<ul style="list-style-type: none"> Understand that the Sun causes changes in weather. Differentiate between land breeze and sea breeze. Understand that water exists in three forms of matter. Appreciate water cycle and methods of purification of water. 	COLLAGE MAKING <ul style="list-style-type: none"> Children will make a collage on sea breeze and land breeze and speak a few lines explaining land breeze and sea breeze. LAB ACTIVITY Sedimentation, Decantation and filtration	<ul style="list-style-type: none"> Worksheet -5 Collage making Lab activity
Aug-19	2-Animal World	Lesson 3-Animals and their Young Ones <ul style="list-style-type: none"> Animals that lay eggs. Animals that give birth to babies. 	<ul style="list-style-type: none"> The structure of an egg. The life cycle of a hen, frog, butterfly and a grasshopper. That mammals give birth to babies. 	MODEL MAKING USING CLAY Life cycle of a butterfly or frog or hen and explaining it.	<ul style="list-style-type: none"> Slip Test – 3 SUBJECT ENRICHMENT ACTIVITIES Model making using clay.
	5 – Materials and Matter	Lesson 13-Solids, Liquids and Gases. <ul style="list-style-type: none"> States of matter Changing states of matter Dissolving solids in water 	<p>Enable students to understand that</p> <ul style="list-style-type: none"> Matter exists in three different states- solids, liquids and gases. Matter can change from one state to another by heating or cooling. 	Lab Activity <ul style="list-style-type: none"> (Showing the three forms of water) Identifying solute and solvent using a salt or sugar solution. 	<ul style="list-style-type: none"> Worksheet- 6 Lab Activity Observation Skills
Sept-8			REVISION		<ul style="list-style-type: none"> Revision Worksheet-2 Half-Yearly Test Slip Test-4
Oct-13	5-Materials and matter	Lesson 14-Force, Work and Energy <ul style="list-style-type: none"> Types of forces Work 	<ul style="list-style-type: none"> Machines help in making our work easy. Ability to do work is called energy. Sources of energy are both 	<ul style="list-style-type: none"> Friction activity Display of simple machines-Their usage in daily life. 	<ul style="list-style-type: none"> Worksheet – 7 Friction activity Group Discussion on renewable and non-

		<ul style="list-style-type: none"> • Simple machines • Energy and its sources 	renewable and non- renewable.		renewable sources of energy.
Nov-17	3- Human Body and Health	Lesson 6-Food: Our Basic Need <ul style="list-style-type: none"> • Food Groups • Balanced Diet • Preservation of food • Rest, posture and exercise 	To reinforce the concept that <ul style="list-style-type: none"> • Food gives us energy to do work and also there are five major food groups in our diet. • We should always have a balanced diet to stay healthy. • Preservation of food prevents it from getting spoilt. • Exercise keeps us fit. 	<ul style="list-style-type: none"> • Debate on junk food v/s healthy food • Children will speak a few lines on importance of preservation of food. • Making a Balanced Diet Chart showing all five food groups 	<ul style="list-style-type: none"> ➤ Worksheet – 8 ➤ Slip Test -5 • Scientific Skills
	3 – Human Body and Health	7- Digestion of Food <ul style="list-style-type: none"> • Structure and types of teeth • Care of teeth • Digestive System • Microbes 	Enable the students to understand that <ul style="list-style-type: none"> • There are two types of teeth in humans: the milk teeth and the permanent teeth. • We should take proper care of our teeth to prevent tooth decay. • The organs of digestive system work together to carry out digestion of food. • Microbes can be harmful or useful. 	<ul style="list-style-type: none"> • Lab Activity • Model making of 4 types of teeth • Collage making on different types of microbes and speaking on useful microbes and pathogens. 	<ul style="list-style-type: none"> • Worksheet – 9 • Group Discussion • Speaking on different types of microbes.
Dec-19	3- Human Body and Health	Lesson 5-Circulatory System and Excretory System	Enable students to understand about the organs of circulatory system- heart, blood and blood vessels. <ul style="list-style-type: none"> • The organs of excretory system- kidneys, ureters, urinary bladder and urethra. 	<ul style="list-style-type: none"> • Lab Activity • Display of Circulatory and Excretory system 	<ul style="list-style-type: none"> • Worksheet –10 • Slip Test - 6 • PERIODIC TEST- 3 • (Revision Worksheet-3)

Jan-18	2 – Animal World	Lesson 4-Animal Adaptations <ul style="list-style-type: none"> • Adaptations to environment • Adaptations for food • Adaptations for protection • Extinct and endangered animals 	<ul style="list-style-type: none"> • Differentiate between terrestrial, aquatic, amphibian, aerial and arboreal animals. • Group animals as herbivores, carnivores, omnivores, scavengers and parasites, based on type of food they eat. 	<ul style="list-style-type: none"> • GROUP DISCUSSION On Endangered and Extinct animals using props 	<ul style="list-style-type: none"> • Group Discussion
	4- Nature , Environment and Space	Lesson 10-The Solar System <ul style="list-style-type: none"> • Solar system • Satellites • Stars • Movements of the Earth 	<ul style="list-style-type: none"> • That Earth's rotation causes day and night • Earth's Revolution along with its tilted axis cause seasons • Learn about natural and artificial satellites 	<ul style="list-style-type: none"> • GROUP DISCUSSION <ul style="list-style-type: none"> • On dwarf planets • ISRO • Comets • Black holes 	<ul style="list-style-type: none"> • Worksheet – 11 • SUBJECT ENRICHMENT ACTIVITIES
Feb - 6	4- Nature , Environment and Space	Lesson 11-Keeping The Earth Green <ul style="list-style-type: none"> • Importance of trees • Deforestation • Saving Trees 	<p>To reinforce the concept that</p> <ul style="list-style-type: none"> • Trees are very important to us. • Deforestation has many harmful effects on the Environment. • Programs like Vana Mahotsava and World Environment Day - encourage people to plant more trees. 	<ul style="list-style-type: none"> • POSTER MAKING (Keeping the Earth Green) 	<ul style="list-style-type: none"> • Worksheet - 12 • Poster making • Revision Worksheet-4
MARCH		REVISION	REVISION		ANNUAL EXAMS