

KIDS WORLD SCHOOL
SESSION -2024-25
ANNUAL CURRICULUM PLANNER
SUBJECT-SCIENCE
CLASS - IV

MONTH	NAME OF THE LESSON	METHODOLOGY	LEARNING OBJECTIVES		LEARNING OUTCOMES	MODE OF ASSESSMENT +ACTIVITY
			KNOWLEDGE / CONTENT BASED	APPLICATION BASED		
JULY 01/07/2024 – 015/07/2024	Ls. No. 1 MATTER (INTER DSCIPLINARY)	<ul style="list-style-type: none"> • Explanation • Discussion • Video • Activities • Assignment • Workbook • Diagram 	<ul style="list-style-type: none"> • Introduction the term Matter • Understand and explain the characteristics of Solid, Liquid, and Gases. 	<ul style="list-style-type: none"> *Able to understand difference between matters. * Able to draw water cycle 	<ul style="list-style-type: none"> • Explaining the reasons and processes for the changing states of matter. • Identify the characteristic of solid, liquid and gases. 	Assessment for learning ACTIVITY:- (Integrated with science and English). With the help of water cycle student will show the rain fall in percentage of Sikkim region for the following year from 2020 to 2023 and write an information about the rainfall in Sikkim.
16/07/2024 – 31/07/2024	Ls. No. 2 REPRODUCTION IN PLANTS WRITTEN	<ul style="list-style-type: none"> • Explanation • Discussion • Video • Activities • Assignment • Workbook • Diagram 	<ul style="list-style-type: none"> • Identify and explain Parts of a flower • Define Pollination and fruit formation. • Understand Germination dispersal of seeds. 	<ul style="list-style-type: none"> *Able to identify Different parts of flower. *Able to understand pollination and germination. 	<ul style="list-style-type: none"> • Identify the conditions required for germination of seeds. • Illustrating the changes that changes that takes place during germination. • Understand how the germination new plant naturally. 	Assessment of learning TYPES OF QUESTION <ul style="list-style-type: none"> • Fill in the blanks. • Name the following. • Match the following. • Answer the following. • Define the following. • Draw and label. • Observe and Answer. Assessment as learning ACTIVITY:- Paste each part of a flower , label and write function of each part.

<p>AUGUST</p> <p>01/08/2024 – 15/08/2024</p>	<p>Ls. No. 3</p> <p>CLASSIFICATION OF ANIMALS</p> <p>(QUIZ)</p>	<ul style="list-style-type: none"> • Explanation • Discussion • Video • Activities • Assignment • Workbook • Diagram 	<ul style="list-style-type: none"> • Define the term vertebrate and invertebrate. • List some invertebrate animals. • Understand the characteristics of vertebrates and invertebrates, 	<p>*Able to differentiate vertebrate and invertebrate.</p> <p>* Able to understand the characteristics of vertebrate and invertebrate.</p>	<ul style="list-style-type: none"> • Identify the characteristics and benefits of different animals. • Differentiate between frog and tadpole on the basis of their characteristics. • Define and understand the characteristics of vertebrates and invertebrates. 	<p>Assessment for learning</p> <p>ACTIVITY: - Paste picture of different animals. Collect and write information about the feeding habit, presence or absence of backbone, and special body of at least 3 to 5 animals.</p>
<p>16/08/2024 – 30/08/2024</p>	<p>Ls. No. 4</p> <p>REPRODUCTION IN ANIMALS</p> <p>WRITTEN</p>	<ul style="list-style-type: none"> • Explanation • Discussion • Video • Activities • Assignment • Workbook • Diagram 	<ul style="list-style-type: none"> • Identify different animals and their young ones. • Introduce the term reproduction. • Understand the life cycle Explain different ways in which animals take care of young once. 	<p>*Able to Identify and understand Reproduction process in animals.</p> <p>* Able to know about life cycle of animals.</p>	<ul style="list-style-type: none"> • Identify the term related to animal reproduction. • Identify the parts of egg. • Explain the different stages of growth of a butterfly and frog and its life cycle. • Understanding the importance of life on Earth. 	<p>Assessment of learning</p> <p>TYPES OF QUESTION</p> <ul style="list-style-type: none"> • Fill in the blanks. • Name the following. • Match the following. • Answer the following. • Define the following. • Draw and label. • Observe and Answer. <p>Assessment as learning</p> <p>ACTIVITY: - Draw and paste picture of life cycle of various stages of development of any one animal.</p>
<p>SEPTEMBER</p> <p>02/09/2024 – 15/09/2024</p>	<p>Ls. No. 5</p> <p>OUR BODY : ORGAN SYSTEMS (GROUP DISCUSSION)</p>	<ul style="list-style-type: none"> • Explanation • Discussion • Video • Activities • Assignment • Workbook • Diagram 	<ul style="list-style-type: none"> • Understand and explain the functions of various organ system. • Identify the building blocks of the body. List different habitats to keep organ system healthy 	<p>*Able to Identify and understand the different organ system in our body.</p> <p>*Able to draw the diagrams of organ</p>	<ul style="list-style-type: none"> • Identifying the organs and its functions. • Understand and learn the steps of process of process of digestion. 	<p>Assessment for learning</p> <p>ACTIVITY: - Make a working model of lungs.</p> <p>Assessment as learning</p> <p>Activity:-Show video on different organ system.</p>

				system.	<ul style="list-style-type: none"> Knowing more about the effects of breathing dirty air and ways to take care of our respiratory organs 	
16/09/2024 – 30/09/2024	Ls. No. 6 FORCE ENERGY AND MACHINE WRITTEN	<ul style="list-style-type: none"> Explanation Discussion Video Activities Assignment Workbook Diagram 	<ul style="list-style-type: none"> Introduction the term force, energy, work and machines. Discuss the properties of force. Identify types of force and energy. 	<ul style="list-style-type: none"> *Able to know about different types of energy. *Able to identify different form of energy. 	<ul style="list-style-type: none"> Identify and classifying the correct properties of force. Identify the different types of energy. Conceptualizing how simple machines are formed. 	Assessment of learning TYPES OF QUESTION <ul style="list-style-type: none"> Fill in the blanks. Name the following . Match the following . Answer the following . Define the following. Draw and label. Observe and Answer. Assessment as learning ACTIVITY: - Prepare the report on the energy produced from Sunlight, Wind and Water.
OCTOBER	REVISION OF TERM I EXAMINATION Discussion					
NOVEMBER 10/11/2024 – 30/11/2024	Ls. No. 7 OUR CLOTHES (GROUP DISCUSSION)	<ul style="list-style-type: none"> Explanation Discussion Video Activities Assignment Workbook Diagram 	<ul style="list-style-type: none"> Introduce and discuss the clothes are made from fibres. Explain different processes of converting fibres to fabric. 	<ul style="list-style-type: none"> *Able to explain the process of making fabrics. 	<ul style="list-style-type: none"> Identifying and explaining of the process and steps of making clothes. Knowing the steps and machines used. 	Assessment for learning ACTIVITY:- Draw a different pattern/design of sarees of different states. Assessment as learning Activity:- Showing Video of different types of clothes.
DECEMBER 02/12/2024 –	Ls. No.8 WEATHER	<ul style="list-style-type: none"> Explanation Discussion Video 	<ul style="list-style-type: none"> Identify different factors responsible for the weather change. 	<ul style="list-style-type: none"> *Able to understand about different types of 	<ul style="list-style-type: none"> Identifying the factors affecting weather. 	Assessment of learning

16/12/2024	WRITTEN	<ul style="list-style-type: none"> • Activities • Assignment • Workbook • Diagram 	<ul style="list-style-type: none"> • Discuss the process of cloud formation. • Discuss the water cycle and its different stag 	<p>weather. *Able to identify the process of cloud formation. *Able to draw water cycle.</p>	<ul style="list-style-type: none"> • Explaining the effect of land breeze and sea breeze. • Knowing more about season and correlating them with some important festivals we celebrate during that time. • Understanding the correlation between the movement of Earth and season 	<p>TYPES OF QUESTION</p> <ul style="list-style-type: none"> • Fill in the blanks. • Name the following . • Match the following . • Answer the following . • Define the following. • Draw and label. • Observe and Answer. <p>Assessment as learning</p> <p>ACTIVITY:- Draw Revolution of the Earth Colour it and write the changing in seasons on different parts of the Earth.</p>
17/12/2024 – 31/12/2024	<p>Ls. No.9</p> <p>AIR AND ATMOSPHERE</p> <p>(ART INTEGRATED)</p>	<ul style="list-style-type: none"> • Explanation • Discussion • Video • Activities • Assignment • Workbook • Diagram 	<ul style="list-style-type: none"> • Identify and discuss the components and properties of air. • Identify different layers of atmosphere. • Explain the importance of different layers of atmosphere. 	<p>*Able to identify and understand different types of layers of atmosphere.</p>	<ul style="list-style-type: none"> • Identifying the properties of air. • Identify the layers of atmosphere and explaining their features. 	<p>Assessment for learning</p> <p>ACTIVITY : - Draw and write information of different layers of atmosphere.</p>
<p>JANUARY</p> <p>02/01/2025 – 13/01/2025</p>	<p>Ls. No.10</p> <p>WATER AND ITS PROPERTIES</p> <p>(WRITTEN)</p>	<ul style="list-style-type: none"> • Explanation • Discussion • Video • Activities • Assignment • Workbook • Diagram 	<ul style="list-style-type: none"> • Identify the objects and discuss the conditions for an object to float or sink in water. • Identify soluble and insoluble impurities of water. • Identify and discuss different processes to separate insoluble and soluble impurities from water. 	<p>*Able to identify and soluble and insoluble impurities of water. * Able to understand the separating methods for impurities.</p>	<ul style="list-style-type: none"> • Identify and listing the correct method of separating impurities from water. • Identify the different methods of separation. 	<p>Assessment of learning</p> <p>TYPES OF QUESTION</p> <ul style="list-style-type: none"> • Fill in the blanks. • Name the following . • Match the following . • Answer the following . • Define the following. • Draw and label the diagrams. • Observe and Answer. <p>Assessment as learning</p> <p>ACTIVITY:-. Create a flow chat and explain about the process of water purification.</p>

14/1/2025 – 21/01/2025	Ls. No.11 SOIL (QUIZ)	<ul style="list-style-type: none"> • Explanation • Discussion • Video • Activities • Assignment • Workbook • Diagram 	<ul style="list-style-type: none"> • Explain the process of formation of soil and its types and discuss its properties. • Explain the characteristics of different layers of soil. • Know about soil erosion and causes. • Different ways to soil conservation 	<p>*Able to make a compost from dry leaves.</p> <p>*Able to understand 3Rs is very important for environment.</p>	<ul style="list-style-type: none"> • Identify the types of layers of the soil on the basis of their features. • Knowing more about the soil components, composition and soil erosion. 	<p>Assessment as learning</p> <p>ACTIVITY:- Make a compost from dry leaves or vegetable peels.</p>
22/02/2025 – 28/02/2025	Ls. No 12 POLLUTION (WRITTEN)	<ul style="list-style-type: none"> • Explanation • Discussion • Video • Activities • Assignment • Workbook • Diagram 	<ul style="list-style-type: none"> • Introduce the term pollution. • Identify and explain the different causes and types of pollution. • Suggestion to minimize pollution. 	<p>*Able to identify the types of pollution.</p> <p>*Able to understand the way of minimizing the pollution.</p>	<ul style="list-style-type: none"> • Identify the types of pollution and listing different ways to control it. • Knowing more about the causes of pollution and their gradual effect on the environment. • Knowing more about the human activities which can cause pollution. 	<p>Assessment of learning</p> <p>TYPES OF QUESTION</p> <ul style="list-style-type: none"> • Fill in the blanks. • Name the following . • Match the following . • True or false. • Answer the following . • Define the following. • Draw and label. • Observe and Answer. <p>Assessment as learning</p> <p>ACTIVITY:- Collect and paste cut outs of different types of pollution from the magazines or newspaper and write its causes and effects.</p>
FEBRUARY 1/02/2025 – 15/02/2025	Ls. No 13 FOOD COOKING AND PRESERVATION	<ul style="list-style-type: none"> • Explanation • Discussion • Video • Activities • Assignment 	<ul style="list-style-type: none"> • Nutrients in a balance diet. • Discuss the importance of various nutrients, roughage and water in our diet, • Define and discuss the 	<p>*Draw and paste different type of food from different states</p>	<ul style="list-style-type: none"> • Identify the food items which can prevent deficiency diseases. • Knowing more about 	<p>Assessment for learning</p> <p>ACTIVITY:- Draw and paste different type of food from different states.</p>

	(SUBJECT ENRICHMENT ACTIVITY)	<ul style="list-style-type: none"> • Workbook • Diagram 	<p>deficiency diseases.</p> <ul style="list-style-type: none"> • Identify and list different type of cooking methods and preserving food. • Identify different types of microbes. 		<p>the different methods of preservation suitable for each food item.</p>	
MARCH	<p>REVISION OF TERM II EXAMINATION</p> <p>Discussion</p>					

