

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

MONTH	NAME OF THE LESSON	METHODOLOGY	LEARNING OBJECTIVES		LEARNING OUTCOMES	MODE OF ASSESSMENT +ACTIVITY
			KNOWLEDGE / CONTENTBASED	APPLICATION BASED		
JULY 01/07/2024 – 13/07/2024	Ls. No. 1 CHANGES AROUND US (GROUP DISCUSSION)	<ul style="list-style-type: none"> • Introduction • Explanation • Discussion • Demonstration • Visualization • Assignments 	<ul style="list-style-type: none"> ▪ Identify and distinguish between reversible and irreversible changes. ▪ Define mixture and discuss various methods of separating components of different mixture. 	<ul style="list-style-type: none"> • Able to understand differentiate between Reversible changes, Irreversible change. • Able to Draw Separating methods. 	<ul style="list-style-type: none"> ▪ Understand reversible and irreversible change. ▪ Describe and define solution, mixture, filtration and evaporation. 	<p style="text-align: center;">ASSESSMENT FOR LEARNING</p> ACTIVITY: - Draw or paste picture of different objects which shows the following activities. *Reversible change *Irreversible change *Handpicking *Sieving *Filtration *Evaporation
15/07/2024 – 27/07/2024	Ls. No. 2 ROCKS AND MIMERALS (WRITTEN)	<ul style="list-style-type: none"> • Introduction • Explanation • Discussion • Demonstration • Visualization • Assignments 	<ul style="list-style-type: none"> ▪ Describe different layers of the Earth. ▪ Understand the formation of rock cycle. ▪ Explain rock cycle. ▪ Listing properties and uses of rock and minerals 	<ul style="list-style-type: none"> • Able to make a chart on rock cycle. • Able to identify the different rocks. • Able to understand uses of rocks and minerals. 	<ul style="list-style-type: none"> ▪ Learn layers of the Earth. ▪ Describe type of rock and its formation. 	<p style="text-align: center;">ASSESSMENT OF LEARNING</p> ACTIVITY: - Make a chart on Rock cycle. <p style="text-align: center;">TYPES OF QUESTION</p> <ul style="list-style-type: none"> • Fill in the blanks. • Name the following. • Tick the correct option. • Cross odd one out. • Answer the following • Draw and label. • Observe and Answer

<p>29/07/2024 – 04/08/2024</p>	<p>Ls. No. 3 SAFETY AND FIRST AID (SUBJECT ENRICHMENT ACTIVITY)</p>	<ul style="list-style-type: none"> • Introduction • Explanation • Discussion • Demonstration • Visualization • Assignments 	<ul style="list-style-type: none"> ▪ Discuss precautionary measures to avoid road accidents. ▪ Understand the significance of traffic lights and different road signs ▪ Discuss the importance of first aid. 	<ul style="list-style-type: none"> • Able to understand importance of road signs and traffic light. • Able to know how to give first aid to person. 	<ul style="list-style-type: none"> ▪ Learn safety on road. ▪ Know about first aid. ▪ Describe how to use first aid in different conditions. 	<p>ASSESSMENT FOR LEARNING</p> <p>ACTIVITY: - Draw or paste pictures of different important road signs on the A4 size paper and write its importance.</p> <p>ASSESSMENT AS LEARNING ACTIVITY:- How to make first aid box?</p>
<p>AUGUST 05/08/2024 – 17/08/2024</p>	<p>Ls. No.4 HOW PLANT REPRODUCE (WRITTEN)</p>	<ul style="list-style-type: none"> • Introduction • Explanation • Discussion • Demonstration • Visualization • Assignments 	<ul style="list-style-type: none"> ▪ Different ways by which plants reproduce. ▪ Understand the different stages of germination. ▪ Identify the different stages of dispersal in different plants. 	<ul style="list-style-type: none"> • Able to understand the importance of germination. • Able to know the dispersal of seeds. • Able to understand the reproduction process. 	<ul style="list-style-type: none"> ▪ Learn reproduction by seeds, dispersal of seeds and vegetative propagation. 	<p>ASSESSMENT OF LEARNING ACTIVITY: - Grow a bean seed in a glass jar and map its growth every day.</p> <p>TYPES OF QUESTION</p> <ul style="list-style-type: none"> • Fill in the blanks. • Name the following. • Tick the correct option. • Give examples of - • Answer the following • Draw and label. • Difference between. • Observe and Answer. <p>ASSESSMENT AS LEARNING ACTIVITY:- Explain different part of flower.</p>

<p>20/08/2024 – 31/08/2024</p>	<p>Ls. No.5 ANIMALS MOVEMENT (QUIZ)</p>	<ul style="list-style-type: none"> • Introduction • Explanation • Discussion • Demonstration • Visualization • Assignments 	<ul style="list-style-type: none"> ▪ Difference between vertebrates and invertebrates. ▪ Discuss and understand the movement and breathing organ of a fish. ▪ Explain the process of vermiculture. 	<ul style="list-style-type: none"> • Able to identify the vertebrate and invertebrate animals. • Able to understand movement and breathing organs in different animals. 	<ul style="list-style-type: none"> ▪ Understanding the characteristics of various aquatic animals. ▪ Identifying the external structure and specific facts about earthworms. 	<p>ASSESSMENT FOR LEARNING</p> <p>ACTIVITY: - Make a chart on vertebrates and invertebrates aquatic animals and paste pictures of at least 5 animals in each category with their names.</p> <p>ASSESSMENT AS LEARNING ACTIVITY:- Show video on different type of animal movement.</p>
<p>SEPTEMBER 02/09/2024 – 10/09/20</p>	<p>Ls. No.6 HABITAT AND ADAPTATION MULTIDISCIPLINARY</p>	<ul style="list-style-type: none"> • Introduction • Explanation • Discussion • Demonstration • Visualization • Assignments 	<ul style="list-style-type: none"> ▪ Define habitat and adaptation. ▪ Describe the desert and grassland, rainforest and mountain, freshwater and ocean habitats with the adaptation. 	<ul style="list-style-type: none"> • Able to know about habitat and adaptation of different animals form different region. 	<ul style="list-style-type: none"> ▪ Classifying different habitats on the basis of climate and identifying different plants and animals. ▪ Learn term habitat and adaptation. ▪ Adaptation in different regions 	<p>ASSESSMENT FOR LEARNING (MULTIDISCIPLINARY) Integrated with Science+Hindi+Marathi</p> <p>ACTIVITY: - Make a diary of at least 5 animals and plants and also write it's habitats, food and interesting facts of each animal and plants from Sikkim region.(Flora and Fauna)</p> <p>ASSESSMENT AS LEARNING ACTIVITY:- Show video on different type of habitat and adaptation of different animals.</p>

11/09/2024 – 21/09/2024	Ls. No.7 HUMAN BODY : SKELETAL AND MUSCULAR SYSTEM (WRITTEN)	<ul style="list-style-type: none"> • Introduction • Explanation • Discussion • Demonstration • Visualization • Assignments 	<ul style="list-style-type: none"> ▪ Discuss and identify different parts of human skeleton and its function. ▪ Understand the function of joint and its type. ▪ Understand the role of cartilage in joints. ▪ Discuss the muscular system and type of muscles. 	<ul style="list-style-type: none"> • Able to understand functions of human skeletal system. • Able to draw the different joints. 	<ul style="list-style-type: none"> ▪ Identify the different type of joints and muscles with their locations in the human body. ▪ Explaining the importance of various bones in our body for movement. 	ASSESSMENT OF LEARNING TYPES OF QUESTION <ul style="list-style-type: none"> • Fill in the blanks. • Name the following. • Tick the correct option. • Match the following. • Identify the following. • Answer the following • Draw and label. • Difference between. • Observe and Answer. ASSESSMENT AS LEARNING ACTIVITY:- Show skeletal system in lab. ACTIVITY: - Draw the different joints and label it.

<p>23/09/2024 – 30/09/2024</p>	<p>Ls. No.8 HUMAN BODY : NERVOUS SYSTEM AND SENSE ORGANS (QUIZ)</p>	<ul style="list-style-type: none"> • Introduction • Explanation • Discussion • Demonstration • Visualization • Assignments 	<ul style="list-style-type: none"> ▪ Identify the various parts of brain and describe their functions. ▪ Define neurons. ▪ Explain the function of spinal cord. ▪ Explain reflex action 	<ul style="list-style-type: none"> • Able to identify and understand the different parts and function of human nervous system. • Able to draw human brain, Human eye, Neuron etc . 	<ul style="list-style-type: none"> • Explaining the functions of the human brain. • Identify organs of the nervous system and their functions. • Understanding the structure of human eye. • Explaining and understanding the reflex arc. 	<p>ASSESSMENT FOR LEARNING ACTIVITY: - Make a model of human brain by using colour moulding clay and label its major parts.</p>
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OCTOBER	REVISION OF TERM I EXAMINATION					
Discussion						
NOVEMBER 10/11/2024 – 30/11/2024	Ls. No.9 DISEASES : COMMUNICABLE AND NON- COMMUNICABLE (GROUP DISCUSSION)	<ul style="list-style-type: none"> • Introduction • Explanation • Discussion • Demonstration • Visualization • Assignments 	<ul style="list-style-type: none"> • Identify the reasons that may cause diseases • Define diseases and its types • Explain how we can prevent ourselves from diseases 	<ul style="list-style-type: none"> • Able to understand and differentiate between communicable and non-communicable diseases. • Able to understand the importance of healthy food and lifestyle. 	<ul style="list-style-type: none"> • Understanding and classifying Microorganism • Identify non communicable diseases and communicable diseases • Understanding the importance of vaccination 	ASSESSMENT FOR LEARNING ACTIVITY:- Paste different pictures of food sources containing the nutrients and write deficiency diseases, symptoms and causes. ASSESSMENT AS LEARNING ACTIVITY:- Show video on different type of diseases.
DECEMBER 02/12/2024 – 14/12/2024	Ls. No.10 SIMPLE MACHINE (WRITTEN)	<ul style="list-style-type: none"> • Introduction • Explanation • Discussion • Demonstration • Visualization • Assignments 	<ul style="list-style-type: none"> • Define simple machines and its type. • Define inclined plane with examples. • Explain screw, wedge, wheel and pulley with their examples. 	<ul style="list-style-type: none"> • Able to understand different types of simple machine. • Able to identify and draw the simple machine. 	<ul style="list-style-type: none"> • Identifying different types of simple machines • Identifying different classes of levers • Understanding the types, functions and uses of pulleys 	ASSESSMENT OF LEARNING TYPES OF QUESTION <ul style="list-style-type: none"> • Fill in the blanks. • True or false • Tick the correct... • Give one word for • Answer the following • Difference between • Observe and Answer. • Draw a diagram ASSESSMENT AS LEARNING ACTIVITY:- Make a spool pulley.

16/12/2024 – 31/12/2024	Ls. No.11 FORCE AND ENERGY (WRITTEN)	<ul style="list-style-type: none"> • Introduction • Explanation • Discussion • Demonstration • Visualization • Assignments 	<ul style="list-style-type: none"> • Understand and define force and its types • Understand and define advantages, disadvantages and types of friction • Identify various types of force and energy 	<ul style="list-style-type: none"> • Able to understand the types of energy. • Able to explain the form of energy. 	<ul style="list-style-type: none"> • Identify various types of force and energy • Understanding the importance of friction • Identifying the different energy transformations 	<p align="center">ASSESSMENT OF LEARNING</p> <p>ACTIVITY:-Make a report on energy conversions using any six common activities around us(Paste pictures to show these activities and write the energy conversions in each)</p>
JANUARY 01/01/2025 – 15/01/2025	Ls. No.14 NATURAL DISASTER (INTER DISCIPLINARY)	<ul style="list-style-type: none"> • Introduction • Explanation • Discussion • Demonstration • Visualization • Assignments 	<ul style="list-style-type: none"> • Discuss and understand Disaster. • Identify some natural disaster. • Understand the cause and effects of some natural disasters. 	<ul style="list-style-type: none"> • Able to Understand Disaster. • Able to understand and apply how can we get out of these type of disasters. 	<ul style="list-style-type: none"> • Understand and Identify Natural disasters. • Explain its causes and effects 	<p align="center">ASSESSMENT FOR LEARNING</p> <p>ACTIVITY:- Interdisciplinary with Science and English * Choose any 1 disaster and write information on its causes, effects and safety measures.</p>
16/01/2025 – 31/01/2025	Ls. No.12 WASTE DISPOSAL (WRITTEN)	<ul style="list-style-type: none"> • Introduction • Explanation • Discussion • Demonstration • Visualization • Assignments 	<ul style="list-style-type: none"> • Define and identify type of waste. • Define and describe process of waste management. • Explain 3Rs and composting. • List various ways to manage household wastes. 	<ul style="list-style-type: none"> • Able to identify the types of waste. • Able to understand the importance of 3Rs and composting. • Able to apply the how to manage household waste in their day to day life. 	<ul style="list-style-type: none"> • Understand the process of composting. • Understand methods of waste disposal and reuse of materials. • Understand various processes related to waste management. 	<p align="center">ASSESSMENT OF LEARNING</p> <p>ACTIVITY:- Collect picture of biodegradable, non-biodegradable and recyclable things found around us then paste them under the respective heads to make a chart on types of waste.</p>
FEBRUARY 01/02/2025 – 15/02/2025	Ls. No.13 SUN MOON AND EARTH (QUIZ)	<ul style="list-style-type: none"> • Introduction • Explanation • Discussion • Demonstration • Visualization • Assignments 	<ul style="list-style-type: none"> • Define eclipse and satellites • Explain the formation of solar and lunar eclipse • Discuss some myths related to eclipses • Explain the different phases of the Moon 	<ul style="list-style-type: none"> • Able to identify the phases of the Moon. • Able to understand the Lunar and Solar eclipse. • Able to explain the use of satellites 	<ul style="list-style-type: none"> • Understanding eclipses • Identifying the phases of the moon • Understanding the position and movement of the sun, the moon and the earth 	<p align="center">ASSESSMENT FOR LEARNING</p> <p>ACTIVITY:- Draw the phases of moon.</p> <p>ASSESSMENT AS LEARNING ACTIVITY:- Show video on eclipse.(solar and lunar)</p>

MARCH	REVISION OF TERM II AND EXAMINATION					
	Discussion					

