

Bridge course programme : 2021-22

BANDHA: 30 Days programme Class: 6

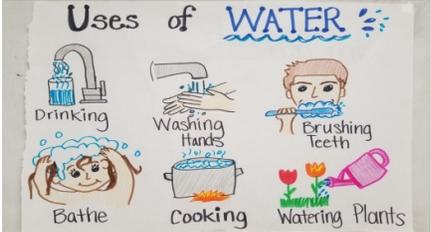
Subject : Science

Expected learning out comes	Learning points	Suggested Activities	Instructions to carry out the activities
Know the Nutrition in plants and animals	Enable the students to: 1 know the nutrition in plants.	DAY1 1.1 Observing picture chart of Photosynthesis. 1.2 Observing picture chart of Insectivorous plants. 1.3 Showing the videos related to Insectivorous plants.	1.1 Explaining photosynthesis using picture chart of photosynthesis. 1.2 providing opportunities to see videos related to nutrition in Insectivorous plants. https://youtu.be/O7eQKSf0LmY
	2 know the nutrition in animals.	DAY2 2.1 Flash card activity: Classifying animals into Herbivores, Carnivores and Omnivores. 2.2 Collect the pictures of Herbivores, Carnivores and Omnivores. 2.3 List out the names of Herbivores, Carnivores and Omnivores.	2.1 Facilitating the children to classify the animals into Herbivores, Carnivores and Omnivores using flash cards.
Types of natural resources. The moderate use	1 Know the types of natural resources	DAY3 1.2 Preparation of chart related to types of natural resources.	1.1 Encouraging the children to Prepare picture chart of types of natural

<p>of natural resources and the conservation of natural resources.</p>	<p>and realises the moderate use of natural resources.</p>	<p>1.2 Discussion on natural resources. 1.3 Showing the videos related to the moderate use of natural resources.</p>	<p>resources. 1.3 Providing opportunities to see video related to the moderate use of natural resources.</p>
	<p>2 Explain the importance of conservation of natural resources.</p>	<p>DAY4 21. Discussion on importance of conservation of natural resources. reparation of display chart related P2.2 to conservation of natural resources. 2.3 Small role play related to importance of conservation of natural resources.</p>	<p>2.2 Guiding the children to discuss the importance of conservation of natural resources.</p>
<p>Characteristics of living and non living things. Explain the interdependence of plants and animals.</p>	<p>1 Know the important characteristics of living and non living things.</p>	<p>DAY5 1.1 Group on discussion characteristics of living and non living things. 1.2 List out the important characteristics of living and non living things. 1.3 Showing the videos related to the characteristics</p>	<p>1.1 Guiding the children to discuss the characteristics of living and non living things. 1.2 Facilitating the children to List out the important characteristics of</p>

		<p>of living and non living things.</p> <p>1,4 Picture collection on living and non living things.</p>	<p>living and non living things.</p>
	<p>2. Explain the interdependence of plants and animals.</p>	<p>DAY 6</p> <p>2.1 related chart picture Preparation of interdependence of plants and animals.</p> <p>2.2 Discussion on interdependence of plants and animals.</p> <p>2.3 Essay writing on interdependence of plants and animals.</p>	<p>2.1 Encouraging the children to give presentation on interdependence of plants and animal in two groups [named as plants and animals].</p>
<p>3 Forms of matter: solids, liquids, gases. Classify the matter into elements, compounds and mixtures.</p>	<p>1 Classify the matter as solid, liquids and gases depending on their Character</p>	<p>DAY 7</p> <p>1.1 Discussion on Characteristics of solids, liquids, gases.</p> <p>2,2 Demonstration on classifying solids, liquids, gases.</p> <p>2.3 Preparation of model: Arrangement of particles in solids, liquids, gases.</p> <p>2.4 Diagram writing: Arrangement of particles in</p>	<p>1.1 Helping the children to Classify the given material as solids, liquids and gases Ex: stone, water, oxygen etc.</p> <p>1.3 Guiding the children to prepare model related to arrangement of particles in</p>

	istics.	solids,liquids,gases.	solids,liquids,gases.using small thermocol balls.
		DAY8	
2	Classify the matter into elements, compounds and mixtures.	2.1 Activity:Memory test. 2.2Preparation of table containing elements, compounds and mixtures. 2.3 Activity: Classify the matter into elements, compounds and mixtures using flash cards.	2.1Activity:Identifying the elements, compounds and mixtures. Ex: vinegar, water,washing soda,copper wire, soil, air, iron rod etc.
3	Recognise the differences between compounds and mixtures.	DAY9 3.1Group discussion. 3.2List out the differences between compounds and mixtures. 3.3Group discussion on differences between compounds and mixtures.	3.1 Group discussion on differences between compounds and mixtures and encouraging the children to present it.

<p>Know about the sources and uses of water. Know the importance of conservation methods of water.</p>	<p>1 Know about the sources and uses of water.</p>	<p>DAY10</p> <p>1.1 Showing picture chart of sources of water. 1.2 collection of pictures related to the sources of water. 1.3 List out the sources of water. 1.4 Showing the videos related to the sources of water.</p>	<p>Guiding the children in:</p> <p>1.1 Identifying the sources of water using picture chart. 1.2 Preparation of Album related to sources of water.</p>
	<p>2 Explain the uses of water.</p>	<p>DAY11</p> <p>2.1 Role play on uses of water. 2.2 Preparation of display chart related to uses of water. 2.3 Discussion on uses of water. 2.4 Activity:Slogan writting related to uses of water.</p>	<p>1.1 Facilitating the children for Role play activity:Asking the children to stand in two group,one group children will enact the uses of water and other group will identifies.</p> <p>Example-</p> 
	<p>4 Know about the water pollution the importanc</p>	<p>DAY12</p> <p>3.1 Essay writting on water pollution. 3.2 Showing the videos related to the water pollution. 3.3 Discussion on water pollution.</p>	<p>3.2 Showing the videos related to the water pollution https://youtu.be/MEb7nnMLcaA</p>

	e of conservat ion methods of water.		
Understand the various stages of agriculture and methods of irrigation. Recognize the modern and traditional methods of seed storage.	1 Explain the various stages of agriculture and methods of irrigation.	DAY 13 1,1 Showing the picture chart of various stages of agriculture. 1.2 Showing the picture chart of methods of irrigation. 1.3 Showing the videosrelated to the the various stages of agriculture and methods of irrigation. 1.4 Group discussion on the various stages of agriculture and methods of irrigation.	1.1 Facilitating the children for group discussion on the various stages of agriculture and methods of irrigation.
	2.Recognize the modern and traditional methods of seed storage.	DAY 14 2.1 Picture collection related to the modern and traditional methods of seed storage. 2.2 Group discussion on the modern and traditional methods of seed storage. 2.3 Writes drawing of seed storage units.	2.1 Preparation of Album related to the modern and traditional methods of seed storage.
Know about the components and charecterestics of	1 Know about the components	DAY 15 1.1Write the picture that shows the composition of air. 1.2 Discussion on charecterestics of air.	1.1 Practical activities on charecteristics of air: Ex: air has weight.

<p>air. Know the importance of conservation methods of water.</p>	<p>and charecterestics of air.</p>	<p>1.3 Practical activities on charecteristics of air.</p>	
	<p>2 Know about the air pollution.</p>	<p>DAY 16 2.1 Discussion on air pollution. 2.2 Essay witting on air pollution. 2.3 Showing the videos related to the air pollution. 2.3 Air pollution drawing.</p>	<p>2.1 Group discussion on air pollution. 2.2 Guiding the children to present written drawing on air pollution.</p>
<p>Know about the organ systems of human body. Know about the organs of theRespiratory system, Circulatory system, Digestive system, Excretory systemand their functions. Know about maintaining the</p>	<p>1Know about the organs of the Respiratory system and their functions.</p>	<p>DAY 17 1.1 Showing the picture chart of Respiratory system. 1.2 Preparing model of Respiratory system. 1.3 Showing the videos related to the Respiratory system. 1.4 Draw the diagram of Respiratory system.</p>	<p>1,1 List out the organs of the Respiratory system and their functions by showing the picture chart of Respiratory system.</p>
	<p>2 Know about the organs of the Circulatory</p>	<p>DAY 18 2.1 Showing the picture chart of Circulatory system. 2.2 Preparing model of Heart. 2.3 Showing the videos related to the Circulatory</p>	<p>2.2 Preparation of soil Heart model. List out the organs of the Circulatorysystem and their functions by</p>

<p>good health of organs through good habits.</p>	<p>system and their functions.</p>	<p>system. 2.4 Draw the diagram of Circulatory system.</p>	<p>showing the videos related Circulatory system.</p>
	<p>3 Know about the organs of the Digestive system and their functions</p>	<p>DAY 19 3.1 Showing the picture chart of Digestive system. 3.2 Preparing model of Digestive system. 3.3 Showing the videos related to the Digestive system. 3.4 Draw the diagram of Digestive system</p>	<p>3.3. List out the organs of the Digestive system and their functions by showing the videos related Digestive system. https://youtu.be/do-qqXy9W1M</p>
	<p>4 Know about the organs of the Excretory system and their functions</p>	<p>DAY 20 4.1 Showing the picture chart of Excretory system. 4.2 Preparing model of Excretory system. 4.3 Showing the videos related to the Excretory system. 4.4 Draw the diagram of system.</p>	<p>4.1 List out the organs of the Excretory system and their functions by showing the picture chart of Excretory system.</p>
	<p>1 Maintaining the good health of</p>	<p>DAY 21 5.1 Discussion on maintaining the good health of organs through good habits.</p>	<p>5.1. Guiding the children to discussion on maintaining the good health of organs through good</p>

	organs through good habits.	5.2 Activity: Que-Ans 5.3 Showing the videos related to maintaining the good health of organs through good habits.	habits.
Know the sources of food and nutrients in food. Understand the changing food habits. Understand the term food wastage and the methods to preserve it.	1 Recognize the sources of food and availability of food.	DAY22 1.1 List out the food materials from plant source and animal source. 1.2 Showing the picture chart of food materials available from plant source and animal source. 1.3 Collection of pictures related to food materials from plant source and animal source.	1.4 Preparation of Album related to the pictures of food materials from plant source and animal source.
	2 Know the nutrients in food.	DAY23 2.1 Preparation of table related to food material and its nutrients 2.2 Activity: Food I ate-nutrients in it. 2.3 Role play: Children acts as Nutrients.	2.3 Role play: Children acts as Nutrients. Ex: I am a Carbohydrate, I will give you energy, I am rich in rice.
	3 Understand the changing food habits.	DAY24 3.1 Discussion on change in food habits. 3.2 Asking questions on changing food habits. 3.3 Showing the videos related to the	3.1 Facilitating the children for group discussion on change in food habits. Guiding the children to not eat road side food and to eat more fruits and vegetables.

		change in food habits.	
	4 Understand the term food wastage and the methods to preserve it.	DAY 25 4.1 Showing the videos related to the food wastage and the methods to preserve it. 4.2 Activity: What can I do to preserve the food. 4.3 Collecting the articles published in news papers related to the food wastage and the methods to preserve it.	1.2 Helping the children to recall the many food wasting circumstances like marriage, festivals, fair etc..and discuss the methods to preserve it.
Know about Dealing with Garbage and other Healthy habits.	1 Explain about Dealing with Garbage.	DAY 26 1.1 Group discussion on Dealing with Garbage. 1.2 Slogan writing. 1.3 Showing the videos related to the Garbage management. 1.4 Children conversation on Garbage management.	1.1 Encouraging the children to discuss and give suitable suggestions about Garbage management in the house and school in two groups.
	2 Know about using ECO-friendly materials	DAY 27 2.1 Craft work on using ECO-friendly materials instead of plastics. 2.2 Group discussion on using ECO-friendly materials instead of plastics.	2.1 Facilitating the children to prepare ECO-friendly hand bags using paper, cloth, gum, thread, nail, scissors

	instead of plastics.	2.3 List out the ECO-friendly materials used instead of plastics.	etc.. Encouraging the children to use ECO-friendly hand bags in day- to- day life.
Know about the sun and its family.	1 Know about the sun and its family.	<p>DAY 28</p> <p>1.1 Draw the Solar system model using chalk or colour powder.</p> <p>1.2 Showing the videos related to the Sun and its family.</p> <p>1.3 Explaining about the Solar system using its model.</p> <p>1.4 Draw the diagram of Solar system.</p>	<p>1.1 Encouraging the children to draw the Solar system model using chalk or colour powder in the school premises.</p> <p>1.2 Guiding the children to watch the videos related to the Sun and its family.</p> <p>https://youtu.be/libKVRa01L8</p> <p>1.4 Encouraging the children to draw the diagram of Solar system.</p>
Understand the different forms of energy. Recognize the change of energy from one form to another.	1 Know the different forms of energy.	<p>DAY 29.</p> <p>1.1 List out the different forms of energy.</p> <p>1.2 Identifies the different forms of energy.</p> <p>1.3 Discussion on different forms of energy.</p>	<p>1.1 Helping the children to list out the different forms of energy.</p> <p>1.2 Facilitating the children to see the chart of the different forms of energy.</p>

	<p>1 Recognize the change of energy from one form to another.</p>	<p>DAY 30</p> <p>1.1 Experiments related to the change of energy from one form to another.</p> <p>1.2 Showing the videos related to the change of energy from one form to another..</p>	<p>1.1 Facilitating the children to do experiments related to the change of energy from one form to other form.</p> <p>Ex-1 Clapping hands– muscular energy into sound energy.</p> <p>1.2 Lightning the bulb using cell- chemical energy into electrical energy.</p>
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