

**GOOD WORD PUBLIC SCHOOL**

**REDHILLS, CHENNAI.**

**ANNUAL CURRICULUM 2020 – 2021**

**GRADE : IV**

**SUBJECT: SCIENCE**

<b>MONTH</b>	<b>BLOCK NAME</b>	<b>LEARNING OBJECTIVES</b>	<b>ACTIVITY</b>	<b>ASSESSMENT</b>
JUNE.	MORE ABOUT FLOWERS	The students will be able to identify the uses of flowers.	Distribute the flowers and observe sample of flowers and make them to sort flowers into groups.	Collect any 10 flowers and make a scrap book.
JUNE	USES OF PLANTS	The students will be able to understand that plants are useful for us and the animals and it is necessary to protect them.	Distribute grain and identify the ingredients obtained from plants.	Find out how sugar is made from sugarcane in factories collect pictures and write a paragraph on it.
JULY	KINDS OF PLANTS	Students will be able to recognize different kinds of plants and its physical features.	Differentiate between wild and domestic animals.	Paste any 5 animals on scrap book.
JULY	FOOD FOR PLANTS	Students will be able to understand the process of photosynthesis.	Observe the experiments.	Draw photosynthesis process and label its parts.
JULY	KINDS OF ANIMALS	Students will be able to identify the similarities and differences in their physical features of animals.	Identify kinds of animals	Prepare a poster about vertebrates and invertebrates.
AUGUST	MORE ABOUT INSECTS	Students will be able to recognize characteristic features of insects.	Identify different parts of an insect's body.	Prepare a poster for insects.

AUGUST	LIFE CYCLE OF ANIMALS	Students understand that animals change as they grow and animals take care of their young ones differently.	Read about the life cycle of a bird.	Prepare a booklet on the life cycle of three animals of your choice.
AUGUST	WHERE ANIMALS LIVE	Students will be able to understand the different physical adaptation of animals.	Make them to write where animals live.	Make a poster on three animals live in the sea.
SEPTEMBER	OUR TEETH	The students will be able to identify and recognize the types of teeth, parts, and its functions.	Make them to do model of teeth using clay.	Give suggestion to take care of our teeth.
SEPTEMBER	DIGESTION	Students will be able to understand that digestion enables us to extract nutrients from food and excrete what is not useful.	Make them to learn digestion process with the help of smart board.	Prepare a model of digestive system using various materials like pipes cloth bags and rope.
OCTOBER	FIRST AID	Students understand the importance of first aid and steps to be followed in different situations.	Read out the comic stripe and know the importance of first aid.	Prepare a small first aid kit.
OCTOBER	BALANCED DIET	Students understand the importance of an adequate, regular and balanced diet in keeping as healthy.	Look at the food pyramid and plan a balanced diet.	Make a food chart and write the food items you eat daily. After a week look at it and check if you have eaten a balanced diet.
NOVEMBER	NUTRIENTS IN FOOD	Students understand that different food groups contain different nutrients.	Test foods for starch.	Prepare a table on the number of times you eat each nutrient in a week.

NOVEMBER	DRINKING WATER	Students understand that drinking or clean water needs to be saved as there is scarcity of water.	Show a world map and identify countries with least and most access to drinking water.	Draw the water bodies in your surroundings.
NOVEMBER	WATER PURIFICATION	Students understand that water needs to be purified before drinking and several methods are used to purify water.	Move them to use a cloth to filter dirty water. Draw picture of the process.	Make a charcoal filter.
DECEMBER	EVAPORATION AND CONDENSATION	Students understand that evaporation and condensation are important in water cycle process.	Conduct experimental on evaporation and condensation.	Make a model of the water cycle using clay colours and cotton , wool.
DECEMBER	KINDS OF WIND	Students understand that winds are classified on the basis of speed of moving air.	Make wind speed measuring tool.	Paste the picture of which instrument is used to measure wind speed.
DECEMBER	Air pollution	Students understand that air pollution is caused by adding harmful substances.	Choose dirtiest and cleanest sheets and count the particles.	Prepare a poster on global warming.
JANUARY	ENERGY	Students can understand that energy can cause change and that the sun is the ultimate source.	Conduct activity and record observation in the table.	Do the model of bulb.
JANUARY	SUN AND THE WEATHER	See the amount of sunlight received by the earth in different positions using globe and torch.	Brain storm Word web	Prepare a log book of the weather in your area.

FEBRUARY	THE SOLAR SYSTEM	Students will be able to interpret a model of the solar system.	Draw orbits and planets in the solar system.	Make a model solar system.
FEBRUARY	DIFFERENT CLOTHES	Students will be able to explain why people in different parts of India wear different types of clothes.	Distribute the different types of clothes. Identify clothes worn in different places and their similarities and differences.	Visit a place where cloth is woven on handlooms. Make a simple diagram of how cloth is woven.
FEBRUARY	SOIL EROSION	Students will be able to distribute how different factors can cause rows to break and form soil.	Brainstorm over how rocks can weather to form soil.	Make manure using vegetable and fruit peels and other waste.
MARCH	SAVE NATURAL RESOURCES	Students will be able to recognize natural resources.	Analyze the use of natural resources.	Start a campaign at home to conserve natural resources.
MARCH	DEALING WITH WASTE	Students will be able to explain how recycle can be used to manage waste.	Categorize waste items into recyclable and non-recyclable.	Prepare a chart on the benefits of composting to convince the people in your neighbourhood to have a compost pit.