

GOOD WORD PUBLIC SCHOOL

ANNUAL CURRICULUM PLAN 2020-2021

GRADE : V

SUBJECT : SCIENCE

Month/No. of days	Topic	Learning objectives	Activity	Learning Outcomes	Assessment
June – 24 days	B.1 Germination of seeds	Students understand that like animals, plants also have a life cycle which begins with the germination of seed.	Choose five different types of seeds . Note the time each one.	<ul style="list-style-type: none"> • Understood the life cycle of seeds • Know to germinate the seed 	Draw a diagram to show stages of germination.
	B.2 Growing new plants	Students understand that seed dispersal vegetative propagation play an important role in survival of plants	Compare the features of seeds that dispersed by wind, water and animals	<ul style="list-style-type: none"> • Define the role in survival of plants • Understood the Vegetative propagation play 	Take one onion. Dip them in two glasses of water. Leave it for few days. Observe the new plant coming out from them.
July – 24 days	B.3 Cultivating crops	Student understand that good cultivation practices help provide people with more food and fibre	Sequence the various stages in the cultivation of crops	<ul style="list-style-type: none"> • Understood the importance people with more food and fibre 	Find out more about “Green revolution”
	B.4 Super sense	Student understand that some senses are better developed in some animals than in the others and	Mind map	<ul style="list-style-type: none"> • Understood the uses of super senses 	Choose any five animals that have different super senses. Make a scrap book and paste

		there help them adapt to their surroundings better.			their pictures in it.
	B.5 Habitat and adaptation	Students understand that animals have different body features that help them survive in their habitat.	Animal word game	<ul style="list-style-type: none"> • Understood the different body features of animals • Learn the habitat and adaptation 	Design an imaginary habitat on a coloured sheet of paper.
August – 23 days	B.6 Protecting animal habitat	Students understand that animal habitats are important for their existence and must be protected	Pasting pictures and information about animals found there	<ul style="list-style-type: none"> • Understood that animal habitats are important for their existence 	Find out about any one wildlife sanctuary or national park in your state.
	B.7 Joints in our body	Students understand the humans have different ways and it is necessary to take care of them	Taking care of joints(mind map)	<ul style="list-style-type: none"> • Understood the humans have different ways and it is necessary to take care of them 	Make a models of different types of joints using different materials like play dough
September - 24 days	B.8 Our nervous system	Students understand that nervous system controls and co-ordinates the activities of the body	Parts of the brain and their functions	<ul style="list-style-type: none"> • Understand the different functions of parts of brain- cerebrum, cerebellum & medulla. • Understand the working of sensory nerves connecting eyes, ears, nose and tongue. 	Make a list of the reflex action and classify them.
	B.9 Communicabl	Students understand	Mind map(ways to	<ul style="list-style-type: none"> • Understood the cause of 	Find out any major

	e diseases	that communicable diseases are caused by pathogens and its necessary to prevent these diseases.	prevent communicable diseases)	communicable diseases <ul style="list-style-type: none"> Learnt the necessary to prevent these disease. 	epidemic in the past and what measure did the government take to control it
	B. 10 Diet and health	Students understand that a balanced diet is important for the proper functioning of our body and deficiency or excess of any nutrient can lead to diseases.	Make a pie chart	<ul style="list-style-type: none"> Describe the functions of different food nutrients. Realise the importance of balanced diet. 	Make a diary with lunch menu for your parents
October – 21 days	B.11. Preserving food	Students understand that food spoils due to micro organisms in the surroundings and eating spoiled food is harmful. So we need to preserve it	Making fruit jam or chutney	<ul style="list-style-type: none"> Understood that food spoils due to micro organisms in the surroundings and eating spoiled food is harmful. 	Look at the labels of some packed food that you commonly use to find out what preservatives have been used in them
	B.12. Properties of water	Water has some unique properties it exerts force and pressure and is a universal solvent.	Draw the picture of buoyant force	<ul style="list-style-type: none"> Say the unique properties it exerts force and pressure 	Pressure exerted by water decreases as the area increases design an experiment to show
	B.13. Rivers – major source of water	Rivers are a major source of fresh water for living and farming, and	Draw a diagram to show purification of river	<ul style="list-style-type: none"> Learn the importance of fresh water Say the need of fresh water 	Collect picture of various dams in India along

		that we have innovated to make use of rivers.			with information on each.
November – 23 days	B.14 Water & Natural resources	People pollute water which is a major cause of water scarcity	Mind map – Uses of water	<ul style="list-style-type: none"> Say the reason of water scarcity Learnt to protect water pollution 	Find out how human activities how polluted it and write about them.
	B.15 Properties of Air	Air exerts pressure and we make use of air pressure to perform many day to day activities	Draw a diagram of a hand pump	<ul style="list-style-type: none"> Understood air exerts pressure and we make use of air pressure to perform many day to day activities 	Find out about more things that work because of air pressure
	B.16. Our Atmosphere	Earth's atmosphere helps to create suitable climatic conditions which make it possible to have life on earth.	Draw a diagram of layers of the atmosphere	<ul style="list-style-type: none"> Understood Earth's atmosphere helps to create suitable climatic conditions which make it possible to have life on earth. 	Collect information on a green house. Stick its picture and write about it on a coloured sheet of paper
December – 24 days	B. 17 Motion, force and work	Force can cause motion or a change in shape, for work to happen, both force and displacement are needed.	Make a poster of the different kinds of motion	<ul style="list-style-type: none"> Understood the force can cause motion or change in shape 	Write three examples of each effect that you write
	B.18 Friction	Friction is a force that acts when two things rub against each other. It is both good and bad for us in daily life.	Mind map – Types of forces	<ul style="list-style-type: none"> Students understood Friction is a force that acts when two things rub 	Choose a sport of your choice. Paste it picture on a chart
January – 19 days	B. 19 Simple Machine	Simple machine can help reduce	Word game Different types of	Students understood Simple machine can help reduce the effort	Create a scrap book on different

		the effort to do work	simple machine	to do work	simple machine.
	B. 20 Saving energy	We depend mainly on non-renewable sources of energy and its important to save them as they are limited	Draw a diagram of energy from bio mass	<ul style="list-style-type: none"> • Understood the needs of saving energy. • Learnt the importance to save them. 	Find out about green buildings.
February – 24 days	B 21. Matter and its properties	Properties of solid, liquid and gas are determined by the arrangement of the particles	Write some examples of solid liquid gas	<ul style="list-style-type: none"> • Write the properties of solid, liquid and gas 	Find out how the particles are arranged in the two other states of matter – plasma state and Bose Einstein condensate and their properties
	B.22. Physical Changes	Many changes which we see around us involve only a change in state of matter and are known us physical changes	Draw the diagram to show physical changes	<ul style="list-style-type: none"> • Understood many changes which we see around us involve only a change in state of matter and are known us physical changes 	Collect the pictures of physical changes that you observe in daily life. Paste them in a scrap book
	B.23 Rocks and Minerals	Students will understand like the water cycle, there is a rock cycle which enables rock to change from one type to another	Paste pictures of different kinds of rocks and write about them	<ul style="list-style-type: none"> • Aware about the identification of rocks • They can recognize the types of rocks • They get familiar uses of rocks in our daily life 	Make a rock booklet
March – 24 days	B.24 Space Research	Students will understand that people are curious about the	Collect pictures of any ten expeditions to space	<ul style="list-style-type: none"> • Understood the people are curious about the things they see in space. So they invent 	Make a scrap book by pasting these pictures and write 5 lines

		things they see in space. So they invent technology to help them explore space		technology to help them explore space	on each expeditions.
	B.25 Nature calamities	Students will understand that predicting natural disasters and preparing for them can save lives of human and animals	Paste the pictures of natural disaster	<ul style="list-style-type: none"> • Understood that predicting natural disasters and preparing for them can save lives of human and animals 	Collect information and pictures on any one natural disaster that has happened in your city and state