

Science

SOL (Sequence Of Learning)

Spring

							→	Outcome	Vocabulary
Yr1	2.1	WDIKA— Animals	Sort animals according to their food habits	Sort animals according to presence of backbone or not	Create simple keys to classify vertebrates and invertebrates	Investigate a mini beast habitat	Assessment	Animals can be grouped based on their food habits and having a backbone	Invertebrate vertebrate
	2.2	WADIKA— Human body and its parts	How do our sense organs help us	Investigate How body changes as we grow	Investigate What is impairment	Assessment		To know the functions of our 5 senses What does growth means	impairment
Yr2	2.1	WDIKA Human life cycle	Know the stages in the life cycle of a human	Understand what is growth	Investigate How growth effects on the size of our body parts	Assessment		Know the stages in the human life cycle Understand that reproduction is one of the life processes of a living thing	reproduce
	2.2	WDIKA Keeping Healthy	What are the food groups and how they maintain a	Understand the role of the nutrients and minerals .	Investigate Other than healthy diet what else do	Assessment		Understand healthy body is maintained by eating	nutrients hygiene

			healthy body and help us in our growth.		we need to grow and keep healthy			balanced diet, exercise, rest, recreational activities and following hygiene. Know the food groups and the nutrients that we get from them. Know what each nutrient helps us to grow and be healthy.	
Yr3	2.1	WDIKA Human skeleton	Know the functions of a skeleton and humans have exo and endo skeletons. Name few bones in the human body— longest and shortest bone	Understand how muscles work Investigate Life style of an athletic	WDIKA Healthy Living	Understand what a balance diet is Revisit and consolidate role of nutrients and food groups.	Assessment	Know the functions of the skeletons. Know why we should we have balanced diet.	exo/ endoskeleton
	2.2	WDIKA Plants	Understand what part of the plant transports	Know that the flower is the	Understand importance of pollination	Know different	Investigate What is needed for	Understand function of a stem	dispersal nourish

			the water and minerals to whole plant	reproductive organ of the plant		ways seeds are dispersed	a seed to germinate and grow? Assessment	Know the reproductive organ of a plant Understand why pollination and seed dispersal is important. Know fertilizers help nourish the seed and plant in their healthy growth.	
Yr4	2.1	WDIKA How can animals be classified	Sort animals according to their habitats and food habits Use simple keys to classify animals	Understand a food chain is transfer of energy. Create food chains.	Create a food web from the food chains.	Explain Effect of humans on destroying the habitats	Assessment	Understand animals can be classified in different ways Know the food chain always begins with a producer. Understand how human's activities effect the habitats and endanger species.	phylum classification
	2.2	WDIKA	Looking after your teeth	Investigate which drinks is good for	Structure of a tooth		Assessment	How to prevent tooth decay	decay

		Why is oral hygiene important	Types and function of each kind of tooth	preventing tooth decay					
Yr5	2.1	WDIKA What does the solar system consist of	Know the order of planets in the solar system and few features of planets with comparison to the earth.	Understand we have day and night and why we have seasons	Know that why the moon has phases and effect of it on earth	Significance of shadows	Assessment	Understand the difference between star, satellite and planet. Understand why the shadow is the shortest at midday	pinnacle
	2.2	WDIKA Why objects move and come to rest	Kinds of Forces, unit of force and measuring force	Balanced and unbalanced forces	Disadvantages and advantages of frictional force	Investigate how to overcome air resistance to either increase speed or reduce speed	Assessment	Understand unbalanced forces result in motion of a body. Understand how we can reduce or increase Air resistance to control motion.	hefty unstable
Yr6	2.1	WDIKA	Electrical safety	Understand there are different	Understand the working of a fuse	Investigate variables affecting the	Assessment	Know where we use series	potency resistance

		Electricity –A bane or a boon		circuits—series and parallel		flow of current in a circuit		and parallel circuits Understand the working of a fuse Know that we can change the size of current by changing length, material or thickness of a wire.	
	2.2	WDIKA What is reflection and refraction	Understand how the human eye works	Understand how a rainbow is formed	Understand how a lunar and solar eclipse formed	Investigate reflection	Assessment	Understand that the light travels in a straight line Know three differences between solar and lunar eclipses Understand reflection of light	phenomena contingency

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Summer

									Outcome	Vocabulary
Yr1	3.1/3.2	WDIKA— Plants	Name and label parts of a plant	Know the functions of a root	Observe and record the growth of a cress seed	Grow plants from other parts of a plant other than using seeds	Benefits of eating fruits and vegetables on our health	Assessment	<p>To know and label the parts of plant</p> <p>To know the functions of root</p> <p>To know that we can grow plants from seeds and other parts of a plant</p>	<p>nutrition</p> <p>timber</p>
Yr2	3.1	WDIKA— Parts of plant	Know the different kind of seeds and if they are edible and non-edible	What is the food factory of a plant	Plan a fair test on conditions needed to germinate seeds	Assessment				<p>germination</p>

	3.2	WDIKA— Plants in your surroundings	Know few adaptation in plants (example cactus)	Understand why most of the leaves are green	Understand how leaves produce food	Investigate what happens to leaves in the dark	Assessment			photosynthesis reaction
Yr3	3.1	WDIKA Forces	Know few properties of a magnet	Investigate magnetic and non- magnetic objects	Plan a fair test to find the strength of magnets	Understand Why the compass always points in the north direction	Know the uses of magnets in our daily life	Assessment	To know that a magnetism is a kind of a force Understand that Earth is a magnet Know the few properties of a magnet Know the importance of a magnet in our daily life	property
	3.2	WDIKA Springs	Understand the uses of springs in our daily life	Investigate properties of a spring (elasticity and compression)	Assessment				Know the importance of Springs in our daily life Understand the property of elasticity	compress elasticity

Yr4	3.1	WDIKA— Sound	How does sound travel	How does a human ear works	Investigate which material is good to muffle sound	How does sound travel in different musical instruments	Investigate the pitch of a musical instrument	Assessment	Know that sound needs a medium to travel Sound is produce when an object/ medium vibrates Know when we need soundproofing in daily life	pitch frequency
	3.2	WDIKA	Looking after your teeth Types and function of each kind of tooth	Structure of a tooth	Investigate which drinks is good for preventing tooth decay		Assessment		How to prevent tooth decay	decay
Yr5	3.1	WDIKA What does the solar system consists of	Know the order of planets in the solar system and few	Understand we have day and night and why we	Know that why the moon has phases and effect of it on earth	Significance of shadows	Assessment		Understand the difference between star, satellite and planet.	pinnacle

			features of planets with comparison to the earth.	have seasons					Understand why the shadow is the shortest at midday	
	3.2	WDIKA Why objects move and come to rest	Kinds of Forces, unit of force and measuring force	Balanced and unbalanced forces	Disadvantages and advantages of frictional force	Investigate how to overcome air resistance to either increase speed or reduce speed	Assessment		Understand unbalanced forces result in motion of a body. Understand how we can reduce or increase Air resistance to control motion.	hefty unstable
Yr6	2.1	WDIKA Electricity –A bane or a boon	Electrical safety	Understand there are different circuits—series and parallel	Understand the working of a fuse	Investigate variables affecting the flow of current in a circuit	Assessment		Know where we use series and parallel circuits Understand the working of a fuse	potency resistance

									Know that we can change the size of current by changing length, material or thickness of a wire.	
	2.2	WDIKA What is reflection and refraction	Understand how the human eye works	Understand how a rainbow is formed	Understand how a lunar and solar eclipse formed	Investigate reflection	Assessment		Understand that the light travels in a straight line Know three differences between solar and lunar eclipses Understand reflection of light	phenomena contingency