


# 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 presence or absence of a backbone Be able to sort and classify using keys	invertebrate vertebrate  amphibian bird fish mammals reptiles
	2.2	WADIKA— Human body and its parts	How do our sense organs help us	Investigate How body changes as we grow	Investigate functions of Senses	Investigate What is impairment	Assessment	To know the functions of our 5 senses What does growth means	impairment  teeth elbow sight thumb toes
Yr2	2.1	WDIKA Human life cycle	Know the stages in the life cycle of a human	Understand what is growth	How and why do we grow and change?	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 Know what are the basic need of animals including humans	reproduce  Growth life cycle offspring live young
	2.2	WDIKA Keeping Healthy	What are the food groups and how they maintain a	Understand the role of the nutrients	Observation over a time: How much food and drink	Investigate Other than healthy diet what else do we	Assessment	Understand healthy body is maintained by eating balanced	nutrients hygiene  balanced diet

			healthy body and help us in our growth.	and minerals .	do I have over a week?	need to grow and keep healthy		diet, exercise, rest, recreational activities and following hygiene. Know the food groups and the nutrients that we get from them. Know how each nutrient helps us to grow and be healthy.	
Yr3	2.1	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  push pull poles attract repel
	2.2	WDIKA Human skeleton And Balanced Diet	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	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 have balanced diet.	exo/ endoskeleton nutrients vertebrates invertebrates fibre muscles
Yr4	2.1	WDIKA Food Groups	Recognise food groups and the nutrients we get from them	Understand we need to eat variety of food	What are the basic parts of a digestive	How does our food change to poo and wee	Assessment	We need variety of food for a healthy and fit body	nutrition  Digestive System stomach

					system and their functions	Investigate Are foods that are high in energy always high in sugar?		Organs that make up the digestive system and their function	oesophagus pancreas tooth
	2.2	WDIKA Why is oral hygiene important	What are the different types of teeth and their function	Structure of a tooth	Looking after your teeth  Explain tooth decay	Investigate which drinks is good for preventing tooth decay How does sound travel in different musical instruments	Assessment	Importance of teeth  How to prevent tooth decay	decay
Yr5	2.1	WDIKA What does the solar system consists 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	Observe, identify and record the phases of moon	Know that why the moon has phases and effect of it on earth	Assessment	Understand the difference between star, satellite and planet.  Explain why we have day and night and seasons What affect does moon have on Earth	pinnacle  rotation geocentric heliocentric axis revolution planet

	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	Explore levers, gears and pulleys	Assessment	Understand unbalanced forces result in motion of a body.  Understand how we can reduce or increase Air resistance to control motion.  Understand that simple machines can reduce the force to do work	hefty unstable  Newton gravity buoyancy friction air resistance unbalanced forces simple machine
Yr6	2.1	WDIKA Electricity –A bane or a boon	Electrical safety	Investigate materials that can used for electrical wires  Use recognised symbols when representin g a simple circuit	What are dangers of short circuit  Understand the working of a fuse	Investigate variables affecting the flow of current in a circuit	Assessment	Know where we use series 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.	potency resistance  battery voltage electrical insulator electricity switch	

	2.2	WDIKA What is reflection and refraction	<p>Explain how we see things</p> <p>Understand how the human eye works</p>	<p>Use the idea that light travels in straight lines to explain how eclipses formed and explain why shadows have the same shape as the objects that cast them</p>	<p>Know how simple optical instruments work, e.g. periscope, telescope, microscope, magnifying glass and periscope.</p>	<p>Investigate reflection And mirrors</p>	<p>Assessment</p>	<p>Understand that the light travels in a straight line</p> <p>Know three differences between solar and lunar eclipses</p> <p>Why does my shadow change during the course of a day?</p>	<p>phenomena contingency ray reflection refraction mirror dispersion</p>
--	-----	--	--	---	---	---	-------------------	---	--