Science

SOL (Sequence Of Learning)

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	To know and label the parts of plant To know the functions of root To know that we can grow plants from seeds and other parts of a plant	nutrition timber
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				germination
	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	pitch frequency

									soundproofing in daily life	
	3.2	WDIKA — Light	Understand that light travels in a straight line Eclipses	Know the opaque, transparent and translucent means	Investigate how shadows are formed	Draw a diagram to show how shadows are formed	Plan a fair test to how to change the size of a shadow	Assessment	Know that light travels in a straight line Distinguish between transparent, translucent and opaque objects Understand why we have eclipses	penumbra refraction
Yr5	3.1	WDIKA — Compare materials on basis of their properties (hardness, transparency, conductivity, solubility, magnet	Compare and distinguish materials on basis of state of matter	Know the difference between dissolving and mixing	Know few methods to separate different types of mixtures	Differentiate between irreversible and reversible changes with examples	Investigate electrical and transparency property of materials	Assessment	Know the 3 states of matter and example with particle model Differentiate between reversible and irreversible changes Compare materials based on different properties	ir/reversible

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	3.2	WDIKA Sound	How is sound produced?	What is an echo and how it is formed?	Investigate pitch of wind instrument	Plan a test to investigate which material provides the best insulation against sound.	Assessment		Understand how a sound and echo formed Know how to change pitch of a musical instrument Investigate materials that provide insulation against sound	echo amplification
Yr6	3.1/ 3.2	WDIKA Circulatory system in Humans	Understand how blood is circulated in the body	Know the difference between arteries and veins	Know the functions of blood and the heart And how to keep your heart healthy	Plan and investigate benefits of exercise for different purposes associated with fitness and health	Research on causes of high cholesterol and its impact on the circulatory system	Assessment	Understand the circulatory system Know the functions of heart Know useful and harmful activities affecting heart Know the functions of blood Know the differences between artery and vein	malnutrition Intoxication aerobics cardiovascular