



Two-Year Science Curriculum at Newton Hill Community School Vocabulary Progression

	Autumn 1		Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Cycle A	Animals including humans (Yr1)		Seasonal Changes (Yr1)	Animals including humans (Yr2)	Seasonal Changes (Yr1)	Animals including humans (Yr2)	Seasonal Changes (Yr1)
	senses head body face eyes nose mouth	carnivore omnivore herbivore reptile amphibian mammal fish bird	Weather Cloudy, rainy, snowy, clear, sunny, windy Seasons Months	offspring survival food air water	Weather weather symbols Seasons Months	exercise germs spread balance diet hygiene	Weather weather symbols Seasons Months Forecast Day length
Cycle B	Living things and their habitats (Yr2)			Everyday Materials (Yr1)	Uses of Everyday Materials (Yr2)	Plants (Yr1)	Plants (Yr2)
	living dead alive habitat micro-habitat suitable food chain			material object rough hard smooth stiff	absorbent waterproof suitable properties stretch squash bend twist	evergreen deciduous leaf root stem/trunk wild flowers garden plants	Condition life cycle germinate dormant seeds bulbs

Lower Key Stage 2

Cycle A Year 3/4	Rocks (Yr3)	States of Matter (Yr4)	Forces & Magnets (Yr3)	Sound (Yr4)	Plants (Yr3)	Living Things (Yr4)
	igneous rock metamorphic rock sedimentary rock fossil decay permeable soil	solid liquid gas melting freezing condensation evaporation precipitation transpiration vapour	magnetic force poles attract repel	ear eardrum sound waves decibel vibration pitch volume	pollination germination fertilisation sepal stamen carpel seed dispersal	habitat kingdom classification ecosystem interdependent environment
Cycle B Year 3/4	Animals including humans (Yr3)	Animals including humans (Yr4)	Electricity (Yr4)		Light (Yr3)	
	human skeleton bones muscles joints protect vertebrate balanced diet nutrients	digestion oesophagus stomach intestines (small and large) teeth: incisors, canines, molars predator prey producer	electricity circuit battery motor bulb switch insulator conductor		light dark transparent opaque translucent reflect shadow light source	

Upper Key Stage 2

<p>Cycle A Year 5/6</p>	<p>Properties and changes of Materials (Yr5)</p>		<p>Forces (Yr5)</p>	<p>Earth and Space (Yr5)</p>	<p>Living things and their habitats (Yr5)</p>	<p>Living things and their habitats (Yr6)</p>
	<p>chemical change physical change solution substance filter sieve reversible/ irreversible</p>		<p>force mass gravity attract friction motion repel resistance</p>	<p>spherical universe solar system axis rotate orbit planet</p>	<p>metamorphosis environment asexual/ sexual reproduction</p>	<p>Carl Linnaeus taxonomy classification kingdoms micro-organisms vertebrates invertebrates</p>
<p>Cycle B Year 5/6</p>	<p>Animals including humans (Yr5)</p>	<p>Evolution and Inheritance (Yr6)</p>	<p>Light (Yr6)</p>		<p>Electricity (Yr6)</p>	<p>Animals including humans (Yr6)</p>
	<p>life cycle fertilisation offspring gestation puberty reproduce hormones</p>	<p>fossils variation adaptation evolution species inherited/ inheritance characteristics environment natural selection</p>	<p>fraction spectrum visible spectrum prism light ray reflection refraction</p>		<p>circuit circuit symbols circuit diagram cell battery switch voltage voltmeter</p>	<p>circulation heart/ heart chambers blood/ blood vessels veins arteries capillaries aorta pulse/ bpm carbon dioxide oxygen oxygenated/ deoxygenated</p>