

Year One	Year Two	Year Three	Year Four	Year Five	Year Six
What are living things made of? -Recognising different materials -Describe simple properties of materials -Classifying materials	How do we choose materials? -Choosing materials for purpose	What is dark? -Light and dark - Investigating shadows	What do our bodies do with the food we eat? -Teeth and digestion	How do things move? -Gravity and friction -Gears, levers and pulleys	Living things; what's the same and what's different? -Grouping organisms based in similarities Classification structures.
What is alive? -Naming and describing plants and animals. -Noticing difference and similarities.	Can we change materials? -Changing materials by stretching, bending, twisting, squashing	What can magnets do? -Exploring how magnets and everyday objects interact. -Exploring how two magnets interact	Living things: what's the same and what's different? -Grouping plants and animals based on similarities and differences. -Classification keys	Sun, moon and Earth; what is moving? -Movement of the planets and the moon -Shape of the Earth, sun and moon	How do we see? -Light travels in straight lines -The shape of shadows
What are bodies and what can they do? -Structures of plants and animals (including humans); -Our senses	How can living things stay healthy? -Humans: diet, hygiene and exercise; -Plants: conditions for optimal growth.	Do living things need different things to survive? -Plants: How do nutritional requirements vary for different plants? -Animals: How do nutritional requirements vary for different animals?	Can we control electricity? -How do we use electricity -Simple circuits -Insulators and conductors	What are things made from and why? -Comparing and grouping materials -Link between properties and uses of materials	How do our choices affect how our bodies work? -Circulatory system -Transportation of water -Impact of drugs, exercise diet and lifestyle.
Do living things change or stay the same? Seasonal change- introduce big idea of cycles in the natural world.	Can living things live forever? -Basic cycle of life: animal reproduce to have young. -Plants: seeds -Dead/alive/never alive (link to materials)	How do living things work? -Plants: function of roots/stem etc. How water is transported. Function of flowers. -Humans: Bones	How do we hear different sounds? -Vibrations -Investigating pitch, volume and distance	Can we change materials? -Reversible and irreversible change	Can we vary the effects of electricity? -Investigating the effects of changing components -Representing using symbols
	What do living things need to survive? -Animals: habitats food chains. Plants: germination	Are all rocks the same? -Comparing and grouping -Special rocks: fossils -Linking rocks and soils	Is water always wet? -Properties of the three states of matter -Changing state -The water cycle	Do all life cycles look the same? -Animals: compare life cycles of different groups. Plants: compare different ways plants reproduce.	How do living things change over time and place? -Learning from fossils -Inheritance and variation -Adaptation and evolution
			Are living things in danger? -Changing environment and habitats -Food chains; producers, predators and prey	How do our bodies change as we get older? -Describing changes as we age. -Puberty	



Science Long Term Plan 2021/22