

Science – Long Term Plan

Year Group	Concepts	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	Biology - Living things - Growth and change - Life cycles - Health and survival - Habitats and interdependence - Variation and inheritance	Living Things and Habitats How are different organisms classified using the Linnaean system? Completed throughout the year to observe the seasons.					
		Animals including humans All About Me- What is special about me?	Everyday Materials What's It Made of and Why?			Animals Including Humans All About Animals What is special about other animals?	Plants What plants can we find around our school?
Year 2		Living Things and Habitats What do snails like to eat?	Living Things and Habitats How has climate change affected an animal's habitat?	Animals Including Humans What does a healthy, balanced diet look like?	Plants "What does a plant need to grow well?"	Animals Including Humans Life Cycles How can we match offspring to their parent?	Everyday Materials How do we choose the right material for the job?
Year 3	Chemistry - Materials - Properties - Change Physics - Forces - Energy - Light - Sound - Electricity - Earth and space	Forces and Magnets Does the distance of a magnet affect how strong it is?	Rocks What do rocks tell us about the way the Earth was formed?	Animals Including Humans Do people with long arms throw further?	Light Does the length of my shadow change throughout the day?	Plants What factors can affect plant growth?	Scientific enquiry How can we clean an old coin?
Year 4		Sound How do we hear?	Animals Including Humans How do humans digest their food?	Living Things and Habitats How many ways can we classify and identify our classmates?	Things and Habitats – Conservation Can humans have a positive impact on nature?	States of Matter How does heat change the state of different foods?	Electricity Where do we use electricity in every day life?
Year 5	Working scientifically - Observation → Pattern → Explanation - Cause and effect - Evidence	Forces What surface is the most affective to catch a villain in a high-speed car chase?	Living Things and Habitats Do all animals and plants start life as an egg?	Earth and Space How does the Earth move in Space?	Animals Including Humans How different will you be when you are as old as your grandparent?	Properties and Changes of Materials How can mixtures be separated by filtering, sieving, evaporating or magnets?	Properties and Changes of Materials Whilst cooking, can we create a reversible change?
Year 6		Animals, including Humans What is the function of the heart and its role in the circulatory system?	Electricity Can I build a lighthouse?	Evolution and Inheritance Have we always looked like this?	Living Things and Habitats How are different organisms classified using the Linnaean system?	Light Explore light phenomena: Can we create our own rainbow?	Looking after our environment How can we reduce our carbon footprint?