

Period Taught (Half term/number of weeks etc.)	Unit/Topic To Be Taught	Key Areas Covered within Unit/Topic Main Objectives
Autumn 1/2 (9 weeks)	Living Things and their habitats	<ul style="list-style-type: none"> • Group living things in a variety of ways. • Life processes (related to English Dragon topic) • Classify vertebrates and use a classification key. • Classify invertebrates, find invertebrates in our local habitat and discuss characteristics. • Characteristics of living things in different habitats. • Create own classification key. • Identify positive and negative changes to the environment -1) identify a danger in our local environment and how we can help. 2) Identify dangers in wider habitats and how we can help. • Describe and research environmental changes and their effect on endangered animals.
Autumn 2/Spring 1 8 weeks (miss 2 weeks due to swimming)	Animals, including Humans	<ul style="list-style-type: none"> • Investigation Planning: Who is the fastest runner out of ____ and ____? • Investigation Results. • Identify and name parts of the human digestive system. • Explain the functions of the digestive system. • Identify the types of teeth and their functions in humans, briefly compare to some different animals (carnivores/herbivores). • Investigation Planning: The effect of different liquids on an egg shell. • Investigation Results. • Construct and interpret a variety of food chains, briefly look at a food web and the impact a change to one animal would have.
Spring 2 (6 weeks)	Sound	<ul style="list-style-type: none"> • Identify, describe and explain sound sources (vibrating).

		<ul style="list-style-type: none"> • Explain how different sound travels. (volume) • Explore ways to change the pitch of a sound. • Explore how sounds change over distance. • Investigate ways to absorb sound. • Make their own musical instrument to create different sounds.
Summer 1 (6 weeks)	Electricity	<ul style="list-style-type: none"> • Explain how electricity is generated. • Identify electrical appliances and the types of electricity they use. • Predict and test complete and incomplete circuits (whether the lamp will light) • Identify, sort and test materials into conductors or insulators. • Explain how a switch works and why they are useful. • Switches investigation: time how long each switch takes to break and reconnect the circuit.
Summer 2 (6 weeks)	States of Matter	<ul style="list-style-type: none"> • Compare and group materials into solids, liquids and gases. • Investigate gases and explain their properties. • Observe and investigate materials as they change state due to melting and freezing points. • Explore how water changes state. • Investigate how water evaporates with different temperatures. • Describe the different stages of the water cycle and explain the role of evaporation and condensation in the water cycle.