



### KS3 Science - Long term plan

KS3	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Topic</b>	Animal Parts	Splendid Skies	How does it move?	Habitats	Beachcombers	Land Ahoy!
<b>Overview</b>	<i>This project teaches pupils about animals, including fish, amphibians, reptiles, birds, mammals and invertebrates. They identify and describe their common structures, diets, and how animals should be cared for.</i>	<i>Imagine floating high above land and sea on a bed of clouds, silently sweeping by on a billowing breeze. Back down to earth, let's take a walk outdoors. Make a weather station to find out more about the weather in your area. What weather do you prefer? Sunshine, snow, storms, or showers? Get your wellies on and let's go.</i>	<i>Pupils use different outdoor toys that have wheels to investigate how forces make the wheels move.</i>	<i>This project teaches pupils about habitats and what a habitat needs to provide. They explore local habitats to identify and name living things and begin to understand how they depend on one another for food and shelter.</i>	<i>Pupils will become a beachcomber using their senses to spot, sniff and seek them out. What features will it need to survive happily in its watery habitat?</i>	<i>Get your sea legs on, it's time to sail the salty seas. Navigate, investigate and explore the world, just like Captain Cook. Make a boat, sink a ship, fly a pirate flag. Speak like a pirate, write like a poet, then weigh and measure a pirate's booty. How do rescues happen at sea?</i>
<b>Skill</b>	Identify, compare, group and sort a variety of common animals, including fish, amphibians, reptiles, birds, invertebrates and mammals, based on observable features.	Ask and answer questions using who, what, when, where and why?  Use spoken language to develop understanding through speculating, hypothesising, imagining and exploring ideas.	With support, gather and record simple data in a range of ways (data tables, diagrams, Venn diagrams).  Observe objects, materials, living things and changes over time, sorting and grouping them based on their features.	Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other.	Identify and name a variety of plants and animals in a range of habitats and microhabitats.	Investigations on materials to find/sort the properties of different materials.  Sort and group objects that float and sink.