



# SCIENCE:

## SUMMER Curriculum Overview

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>Summer</b>	<p><b>Seasonal changes</b>  <b>Summer</b>            Observe the change of temperature.            Talk about ways to protect from the sun.  <b>Minibeasts</b>            Observe the cycle of the caterpillar.  <b>Growing</b>            Compare own growth and changes including things they can do compared to start of year.  <b>Contrasting Environments</b>            Look at countries of the globe and discuss the different climates.</p>	<p><b>Seasonal changes</b>  <b>Summer-</b>            Naming and describing what we            Can see, hear etc. in Winter: plants, weather, wild life.            How have the hours of daylight changed?  <b>Animals</b>            Identify and name a range of common animals.            Look at the diet of common animals- which are herbivores, carnivores and omnivores?</p>	<p><b>Plants</b>            Continue to investigate how seeds and bulbs grow into mature plants</p> <p><b>Uses of everyday materials:</b>            Identifying and comparing different materials. Exploring how the shape of some materials can be changed</p> <p><b>Living Things and Their habitats:</b> Identify and describe how different living things live in habitats to which they are suited. Investigate food chains and what happens if part of the food chain is destroyed.</p>	<p><b>Plants:</b>            Identify and describe the functions of different parts of flowering plants from observations. Explore what different plants need to live and grow.</p> <p>Investigate how water is transported within plants...how much water do plants need? What happens if they get too much/don't get enough?</p> <p>Explore the role that flowers play in the life cycle of flowering plants...pollination, seed formation and seed dispersal.            How can we encourage more pollinators into our gardens?</p>	<p><b>Animals including Humans:</b>            Describe the simple functions of the basic parts of the digestive system in humans- create a model to use to explain the journey of food.            Identify different types of human teeth and explain their simple functions.            Know how to look after teeth (including dentists and gum shields) and that all types of sugars can damage teeth.</p> <p>Draw/model various food chains, identifying producers, predators, prey</p>	<p><b>Properties and Changes of materials:</b>            Compare and classify different materials and give reasons for the uses of everyday materials (paper towels to absorb spills).            Investigate dissolving solids in liquids and recovering them (linked to the water cycle).            Separate mixtures by filtering, sieving and evaporating (linked to cleaning dirty water).            Investigate ir/reversible changes including burning and rusting and the formation of new materials.</p>	<p><b>Evolution and Inheritance:</b>            To understand the terms "evolution" and "inheritance"            To know that living things have adapted/changed over time (giraffes/ C. Darwin's finches). Know that fossils provide evidence of living things from millions of years ago.</p> <p><b>Animals including humans:</b> Identify and name the main parts of the human circulatory system and describe their functions. Know how diet, exercise and drugs can affect the body's functions. Describe how nutrients and water are transported around the body.</p>