

## MPPS - Science Whole School Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	<p><b>Everyday Materials</b> distinguish between an object and the material from which it is made identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock</p>	<p><b>Seasonal change</b> <b>Animals, Including Humans</b> (identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense</p>	<p><b>Animals, Including Humans</b> (identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets)</p>	<p><b>Seasonal Change</b> <b>Plants</b> (identify and name a variety of common wild and garden plants, including deciduous and evergreen trees</p>	<p><b>Plants</b> (identify and name a variety of common wild and garden plants, including deciduous and evergreen trees)</p>	<p><b>Animals, Including Humans</b> (identify and name a variety of common animals that are carnivores, herbivores and omnivores <b>Seasonal Change</b></p>
Year 2	<p><b>Revisit Yr1 Materials</b> <b>Materials</b> identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</p>	<p><b>Animals including humans</b> (notice that animals, including humans, have offspring which grow into adults find out about and describe the basic needs of animals, including humans, for survival (water, food and air) describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.</p>	<p><b>Revisit Materials</b> <b>Introduce Living things and their habitats.</b> (explore and compare the differences between things that are living, dead, and things that have never been alive 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</p>	<p><b>Revisit (Yr1)</b> <b>Plants</b> (identify and name a variety of common wild and garden plants, including deciduous and evergreen trees)  <b>Plants</b> observe and describe how seeds and bulbs grow into mature plants find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.</p>	<p><b>Plants</b> observe and describe how seeds and bulbs grow into mature plants find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.</p>	<p><b>Revisit Animals including humans</b>  <b>Living things and their habitats</b> (identify and name a variety of plants and animals in their habitats, including micro- habitats describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.</p>

<b>Year 3</b>	<b>Light</b>	<b>Revisit Yr2 Plants</b>  <b>Plants</b> identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant <b>Introduce Animal including human</b> (identify that humans and some other animals have skeletons and muscles for support, protection and movement.	<b>Animals including Humans</b> identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat.	<b>Forces and magnets</b>	<b>Plants</b> investigate the way in which water is transported within plants explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.	<b>Rocks</b> (end point- not covered again)
<b>Year 4</b>	<b>Electricity</b>	<b>States of Matter</b>	<b>Living things and their habitats</b>	<b>Animals, including humans</b> describe the simple functions of the basic parts of the digestive system in humans identify the different types of teeth in humans and their simple functions construct and interpret a variety of food chains, identifying producers, predators and prey.	<b>Living things and their habitats</b>	<b>Sound</b> (end point- note covered again)
<b>Year 5</b>	<b>Properties and changes of materials</b> Everyday Materials	<b>Earth and Space</b> (end point – not covered again)	<b>Revisit and introduce Animals Including humans</b>	<b>Introduce Living things and their habitats</b>	<b>Revisit magnets and introduce Forces</b> (end point- not covered again)	<b>Revisit Living Things and their Habitats</b>
<b>Year 6</b>	<b>Revisit Yr4 Electricity and Introduce Electricity</b>	<b>Introduce Living Things and their Habitats</b>	<b>Introduce Evolution and Inheritance</b>	<b>Animals including Humans</b>	<b>Animals including Humans – water transportation</b>	<b>Light</b>

