



Science Mapping

Lower Key Stage 2 Subject Mapping

Physical Processes

Changing Materials

Life Processes

Working Scientifically/Scientific enquiry to be taught throughout.

2018 Autumn Term	2019 Spring Term	2019 Summer Term
<p style="text-align: center;">Light</p> <ul style="list-style-type: none"> Name light sources Know light is needed to see things Know shinny objects are not light sources. Explore shadows Make light/dark or day/night picture <p><i>Links to Geography – find light and dark areas of the school, look at where the shadows are formed.</i></p>	<p style="text-align: center;">Materials and their Properties</p> <ul style="list-style-type: none"> Heating and cooling Mixing materials Uses of common materials (E.g. brick, plastic, wood, glass, paper and cardboard) Links to Art and Design – what happens when different colours are mixed together? <p><i>Links to History – what happens when a material burns?</i></p>	<p style="text-align: center;">Rocks</p> <ul style="list-style-type: none"> Compare and group rocks Explore and describe fossils in simple terms Explore soils <p><i>Links to Geography – rocks which are found at the seaside.</i></p>
		<p style="text-align: center;">Plants</p> <ul style="list-style-type: none"> Identify the different parts of a plant (e.g. flower, stem, roots, trunk etc.) How seeds and bulbs grow into mature plants Investigate what a plant needs to grow Explore the plant life cycle. <p><i>Links to Geography – plants found at the seaside.</i></p>
2019 Autumn Term	2020 Spring Term	2020 Summer Term
<p style="text-align: center;">Forces and Magnets</p> <ul style="list-style-type: none"> Compare how things move on different surfaces Explore magnets including: magnetic and non-magnetic materials; repel and attract; the two poles. 	<p style="text-align: center;">Animals, Including Humans</p> <ul style="list-style-type: none"> The right types of foods for different animals and humans Find out about the skeleton and muscles of humans and other animals Basic needs of animals: water, food and air. Importance of exercise for humans, eating the right foods and amount and hygiene. 	<p style="text-align: center;">Grouping and classifying materials</p> <ul style="list-style-type: none"> Sorting and using materials fabrics, paper and plastics Materials for a specific purpose – waterproof/absorbent (i.e. make umbrella for teddy) Test materials for float/sink