



# Science Mapping

## Upper 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;"><b>Electricity</b></p> <ul style="list-style-type: none"> <li>Using electricity</li> <li>Mains and battery supply electricity</li> <li>Dangers of mains electricity</li> <li>Saving electricity</li> </ul> <p><i>(Links to DT – advances in technology with reference to exploring electrical systems and circuits)</i></p>	<p style="text-align: center;"><b>Living Things in their Habitat</b></p> <ul style="list-style-type: none"> <li>Group living things in a range of ways (plants, animals, size, skin/fur, carnivore etc)</li> <li>Study living things in the local and wider environment</li> <li>Recognise how environments can change and the effect this has on living things</li> </ul> <p><i>(links to weather in Geography)</i></p>	<p style="text-align: center;"><b>Changes to Natural Materials</b></p> <ul style="list-style-type: none"> <li>Links to Geography – how rivers and land change over time.</li> <li>How water changes materials and erodes.</li> </ul>
		<p style="text-align: center;"><b>Materials which are Fit for Purpose</b></p> <ul style="list-style-type: none"> <li>Links to Geography – explore materials designed to keep you cool/warm.</li> <li>Investigate the effectiveness of materials (E.g. hard wearing, comfortable, easy to fasten, waterproof)</li> </ul>
2019 Autumn Term	2020 Spring Term	2020 Summer Term
<p style="text-align: center;"><b>Sound</b></p> <ul style="list-style-type: none"> <li>Explore vibrations</li> <li>Explore how sound travels (echo, microphones, string phones)</li> <li>Explore how sound changes (explore distance from the sound and pitch with the use of the skoog)</li> </ul>	<p style="text-align: center;"><b>Animals, Including Humans</b></p> <ul style="list-style-type: none"> <li>Simple functions of basic parts of the digestive system</li> <li>Different types of teeth in humans and other animals</li> <li>Food chains</li> </ul>	<p style="text-align: center;"><b>States of Matter</b></p> <ul style="list-style-type: none"> <li>Solids, liquids and gases</li> <li>Observe materials changing state as they are heated or cooled</li> <li>Explore temperature (thermometers and data logger)</li> </ul> <p><i>Links to Geography – evaporation in the water cycle.</i></p>
<p style="text-align: center;"><b>Forces</b></p> <ul style="list-style-type: none"> <li>Magnets</li> <li>Springs</li> </ul> <p><i>Links to History - how levers and pulleys were used in the building of the pyramids.</i></p>		