

Core Skills UKS2 Science



Behaviour	Attitude	Skills	Knowledge	Experience	Technology	Sustained
<p>Children are curious. They understand that they can independently find answers and know how to safely and productively do so.</p> <p>They can work as a team to collect and present data.</p>	<p>They are curious about the world around them and eager to learn more.</p> <p>They have good problem solving and reasoning skills.</p> <p>They are conscious of their surroundings.</p>	<p>They know how to investigate a problem fairly and record their findings accurately in an accurate and systematic format. Including taking repeat readings.</p> <p>They can present their findings in a number of ways and draw clear conclusions and predictions.</p> <p>They understand about variables: independent, dependent and control.</p> <p>They understand the relationships between variables and how forces and particles can be affected by others.</p>	<p>They know and can compare complex life cycles and food chains of animals, insects and plants.</p> <p>They understand all basic functions of the human body and how we interact and function.(see/hear/breath/reproduce/digest.) As well as the basic functions in other animals and plants.</p> <p>They understand the changes that will take place in puberty.</p> <p>They understand about the makeup of the earth (particles) and how we are affected by forces and space (our orbits).</p> <p>They understand about how things exist and what things are made up of and their genetic characteristics (i.e particles/materials/evolution).</p> <p>They understand that we manipulate and combine matter and some changes are reversible.</p> <p>A good grasp of all KS1 and LKS2 key scientific vocabulary.</p> <p>An understanding of UKS2 scientific vocabulary.</p>	<p>Trips, experiments, explorative activities.</p> <p><i>Trip to Bournemouth or Knoll Beach - foraging.</i></p> <p><i>STEM Week</i></p> <p><i>Environment Week</i></p> <p><i>Cooking (brownies)</i></p> <p><i>Winchester Science Centre or planetarium.</i></p> <p><i>Science Fair</i></p>	<p>Use of a range of apps on their ipads.</p> <p>They can use a range of equipment to take measurements.</p>	<p>They have an interest in science and want to learn more.</p> <p>They can apply their knowledge to real life and understanding.</p> <p>They have in-depth knowledge of how to care for the planet around them.</p> <p>They know how to keep themselves healthy and safe, specifically the dangers of cigarettes, drugs and alcohol abuse.</p> <p>They are excited to pursue further education in STEM.</p>