Core Skills LKS2 Science

Behaviour	Attitude	Skills	Knowledge	Experience	Technology	Sustained
Children are curious and want to find out answers. They understand that they can independently find answers. They can work as a team to collect data.	They are curious about the world around them and eager to learn more. They have good problem solving skills. They are conscious of their surroundings.	They know how to investigate a problem fairly and record their findings in a simple and systematic format. They can present their findings in a simple format and make simple conclusions and predictions. They understand what a variable is and how to keep a test fair. They can see the relationships between variables. They can generate relevant questions and plan simple investigations. They can group and classify using classification keys.	They know the parts of a flowering plant and the roles the different parts play and how water travels through a plant. They can understand more complex food chains and specifically the chain of nutrition. (producers, predators and prey) They understand that habitats can change. They can label parts of a human skeleton and understand its function. They know the parts of the digestive system and how it works (including teeth.) Can group and sort rocks based on their properties and know how fossils are formed. They understand how light travels and how we are able to see. They know how sound travels and how we can hear, specifically the function of the ear. They understand that magnets can attract and repel (know the two different poles) and that some materials are magnetic. They understand some forces and the effect they have, specifically that of friction. They know what a solid, liquid and gas is and the role of the water cycle. They understand that materials can change their state when they are heated or cooled. They know what electricity is and how it travels in a circuit. They can explore insulators and conductors.	Trips, experiments, explorative activities. Winchester Science Museum. Paultons Park - whole school. Lesson House Residential School science fair *STEM Week* *Environment Week* *Cooking* *Pond Dipping*	Use of a range of apps on their ipads. They can use some equipment to take measurements.	They have an interest in science and want to learn more. They can apply their knowledge to real life. They have knowledge of how to care for the planet around them. They know how to keep themselves healthy and safe, specifically how to eat healthy and good hygiene (teeth as well).