What Science looks like at St James' CE Primary School

Intent	**What we are aiming for in Science:** We want children at St James to: • Be able to work in a scientific manner. • Be curious about how the world around them works. • Enjoy engaging in experiments. • Be able to describe the world around them using scientific vocabulary. At St James', we have a coherently planned and sequenced curriculum which has been carefully designed and developed. Pupils will be motivated and given time to develop, practise and apply these skills, further enabling them to increase their aspiration and future choices.
Implementation	**What Science looks like in our school:** At St James' we use Kapow as a planning tool to teach science across all year groups, this ensures we have the coverage of the National Curriculum. The topic units are well-planned and sequenced sessions that encourage questioning, practical experience and build on prior knowledge and understanding. Where possible, links to science are also made within other areas of the curriculum encouraging children to make connections to allow greater understanding. **EYFS:** The Early Years Foundation Stage Curriculum supports children's understanding of Science through the planning and teaching of 'Understanding the World.' Children find out about objects, materials and living things using all their senses looking at similarities, differences, patterns and change. Our children are encouraged to use their natural environment around them to explore. Children enjoy spending time outdoors exploring mini-beasts and their habitats, observing the changing seasons, plants and animals.
Impact	**What will the results be:** • End of year teacher assessment shows progress and a good level of understanding. • Children are engaged and excited by their science learning and their experiences. • Children will have developed their questioning and reasoning skills through planning and carrying out practical investigations. • Children can apply knowledge to understand to the world around them. • They will know current uses of science and consider future implications. • Retain and recall scientific vocabulary. • Resilience, debate, discussion and communication skills will be developed through collaborative work.