



Inspiring Futures: Making Memories  
Learning Creatively with:  
High Expectations. Integrity. Respect. Resilience. Determination.



## **Springfield Primary Academy Science Statement of Intent**

At Springfield Primary Academy we recognise the importance of science in every aspect of daily life and provide all pupils, with an inspiring and creative science experience to build the foundations for understanding the world.

Our investigative science will encourage pupils to be inquisitive about how things work and why things happen in a certain way. Ultimately, this will help all pupils to understand the world they are growing up in and provide them with skills to better access it, as well as becoming creative thinkers and adults who strive to seek solutions to problems and answers to life's questions.

We believe science encompasses the acquisition of knowledge, concepts, skills and positive attitudes. Alongside scientific knowledge and the understanding of concepts, our pupils will develop a healthy curiosity about our universe and gain respect for the living and non-living as well as use their skills to understand how science can be used today and in the future. We ensure that the working scientifically skills sequence and develop throughout pupil's time at the school so that they can apply their knowledge of science when using equipment, carrying out investigations, and explaining concepts confidently using high-quality vocabulary that they will develop throughout EYFS-KS2.

In Key Stage One, children ask simple questions and recognise they can be answered in many ways. They are introduced to the concept of making a simple test fair and through observing, identifying, classifying, gathering and recording; children are developing their curiosity of exploring science to support them becoming young scientists.

In Key Stage 2, children broaden their scientific view of the world around them. They do this through exploring, discussing, testing and developing ideas about everyday experiences and the relationships between living things and familiar environments. Through observations over time and noticing patterns, children can group and classify as well as independently control a test so that it is fair and draw simple conclusions, with reference to secondary sources.

The Essentials Curriculum sets out this progression in the form of three 'Milestones'. Each Milestone contains a range of descriptors which give more detail to be discovered within the concept. Over a two-year period, students will become more and more familiar with these details by exploring them in a breadth of contexts.

We strive to promote a joy and excitement for learning, which our pupils can use in all other areas of the curriculum and in life. We want our pupils to experience many WOW moments, create fantastic memories and be able to approach unknown and unexplainable phenomena with awe and wonder.