



At Sandon Primary Academy, we have built an inspiring, enquiry led Science curriculum that encourages all pupils to recognise the presence of Science in the world around them and its significance in their daily lives from manipulating and building with everyday materials to traveling through and representing the functions of the human body.

Our Science curriculum enables children to learn about, explore and enjoy science by ensuring the children are not passive learners. The curriculum strives to ensure that knowledge, skills and vocabulary are recalled, explored and embedded. It achieves this by ensuring that lessons are taught by teachers with a strong subject knowledge due to the CPD opportunities that have been provided and the sharing of good practice from across the school and network groups across the city. External professionals are utilised within the academy to strengthen our curriculum content further with scientists from the explorer dome having been used to support the teaching of light in UKS2.

The pupil's knowledge and skills within Science are further strengthened through the implementation of fiction texts across our units, that provides context to pupil's learning and promotes further curiosity within the subject. Termly studies of key scientists further highlight to pupils the lifelong impact that Science has had and ignites their future aspirations.

The Science curriculum is designed to be progressive in nature; ensuring that children have opportunities to revisit and deepen their learning in topic areas year on year. This is supportive of our SEND children as new learning is scaffolded by prior learning. It also ensures that prior gaps in learning can be identified and addressed before building on this with new knowledge and skills.

Our assessment approaches within Science ensure that progression within units are tracked so gaps can be identified and addressed through our cold and hot quizzes and the use of our assessment documents.

Our Science curriculum shows ambition and excitement, teaching national curriculum objectives using an array of well organised science resources available, including our fabulous outdoor areas. The delivery of Science is strengthened further by the science capital opportunities provided to all. We like to ensure that our children are aware that Science does not just take place within the classroom. During a pupil's Science journey at Sandon, they will engage in annual science days, external visitor workshops, visits to the local high school as well as attending a range of educational trips to locations such as the think tank and The National Space Centre. The academy also has VR headsets to provide further depth to children's scientific learning as children can experience concepts first hand. Science is also encouraged outside of the classroom, with our Science on the Playground bags' run by our very own Science ambassadors.