

How our SCIENCE Curriculum helps us FLOURISH.

The intention of our Science curriculum is to develop the knowledge required to provide the foundations for understanding the world through the specific disciplines of biology, chemistry and physics. Our bespoke curriculum design promotes children's natural curiosity about scientific concepts. As children progress through school, they will become more proficient in independent scientific enquiry. This all builds science capital and promotes positive attitudes to STEM.

F	<p>FOSTERS A LOVE OF READING AND LANGUAGE ACQUISITION</p> <p>Reading is a skill that drives opportunity across the entire curriculum and exponentially in life beyond school. Beyond the discrete Science lessons that we teach, opportunities to read around science subject areas are provided through our reading lessons. This allows our pupils to deepen the scope of their scientific understanding while providing an early insight into the key role of wider research in science. Our keen focus on the link between strong readers and strong scientists, rests in our understanding of how the development of strong subject-specific vocabulary acts as a driver to strengthen pupil understanding of both substantive scientific knowledge and disciplinary skills and processes</p>
L	<p>DEVELOPS LIFELONG LEARNERS WITH A THIRST FOR KNOWLEDGE</p> <p>Science is a subject with boundless possibilities and application. At Linaker Primary School, we are acutely aware of the constant change that faces our planet and we are mindful that we are preparing our pupils for the world of tomorrow. Linaker children are naturally curious, and we seek to provide them with a wide range of experiences within their scientific learning that inspires, excites and encourages lateral thought and science capital extending well beyond the classroom and into the rest of their post-Linaker lives.</p>
O	<p>GIVES OPPORTUNITIES TO DEVELOP CHILDREN'S CURIOSITY AND CREATIVE THINKING</p> <p>At Linaker Primary School, we aim to capitalise on the very nature of Science by providing pupils with exciting learning experiences that truly deliver awe and wonder. We endeavour to provide our pupils with a deep knowledge of the natural phenomena surrounding us and to develop their skills as investigative scientists. We seek to provide them with the disciplinary skills to explore their natural curiosity and the ability to think creatively, openly and independently. Within science at Linaker, children are encouraged to not only ask questions, but to understand that asking questions and considering how to find answers to them are key scientific skills that can be applied to all areas of our curiosity and creative thinking.</p>
U	<p>DEVELOPS UNDERSTANDING OF THE WORLD WE LIVE IN, MODERN CULTURAL BRITAIN AND OUR OWN DIVERSE COMMUNITY</p> <p>We live in an ever-changing world and through our Science curriculum, we strive to provide our children with the tools to understand these changes, and to understand our place within our incredible and diverse world. We also seek to foster understanding within our pupils that Science can be a cultural bridge that celebrates diversity through teamwork and shared practice that can act to our collective benefit, regardless of background.</p>
R	<p>PROMOTES RESILIENCE AND TRUST</p> <p>The Linaker science curriculum truly promotes our key value of resilience. It instils in our pupils the understanding that learning, success and the development of knowledge do not always happen in a straight line, sometimes we must try again and try differently to gain insight. Intrinsicly linked to this is the status of science as a truly collaborative area of study in which teamwork and collaboration support us in finding answers to the big questions.</p>
I	<p>DEVELOPS THE WHOLE INDIVIDUAL – VALUES, ATTITUDES AND CHARACTER</p> <p>Science at Linaker teaches the key principles of Science, encouraging confidence in working in a range of ways in order to answer questions and solve problems. Science promotes the development of ideas through evidence gathering, careful observation, the presentation and analysis of findings and being evaluative and reflective. All of which provide pupils with widely transferrable skills to take forward with them beyond our school.</p>
S	<p>BUILDS UPON SKILLS AND KNOWLEDGE</p> <p>At Linaker, we endeavour to revisit, refresh and repeat in order to build new learning successfully across year groups. This allows our pupils to gain 'sticky' knowledge of both key substantive scientific knowledge and also disciplinary procedure skills as they undertake their scientific learning journey.</p>
H	<p>ENCOURAGES A HEALTH of MIND AND BODY</p> <p>The notion of 'healthy body, healthy mind' is truly an idea rooted in considerable scientific thought. Beginning in EYFS, and threading on through Key Stage 1 and 2, pupils gradually develop understanding of what keeps us healthy and how we can use this understanding to build a healthy, happy life and self.</p>