



 Vision (Intent)	Immersion (Our Offer)	Personalising the Curriculum to Sowe Valley (Implementation)	
Our engaging, high-quality Science teaching at Sowe Valley enables all children to belong in the world of Science. Through practical, fun, and meaningful lessons, every child is encouraged to see themselves as a scientist—valued, included, and inspired to explore. This sense of belonging supports the development of confident and curious learners who believe in their abilities to ask questions, investigate ideas, and discover the world around them. By the time children leave primary school, they become young scientists with a secure understanding of scientific knowledge, skills and enquiry. They are able to use scientific vocabulary accurately and talk like experts. They understand how their learning fits into the world around them and how Science connects across their time at Sowe Valley. This provides them with a strong foundation for their next steps into Key Stage 3 and beyond, including future careers. Science is taught in EYFS as part of <i>Understanding the World</i>, and through the National Curriculum in Key Stages 1 and 2. Our broad and balanced curriculum enables children to build confidence in working scientifically while developing a deeper understanding of the natural world. Hands-on investigation fosters curiosity and critical thinking as children explore, discover, and learn how Science shapes everyday life. Our Science curriculum is carefully sequenced to build on prior knowledge, allowing pupils to revisit and deepen their learning over time. At Sowe Valley, we use the Grammarsaurus Science Scheme to support our planning and resourcing of high-quality	Current Practice: - Staff will use Grammarsaurus to support planning and resourcing of science units to support with consistency and ambitious content that is appropriately pitched for year groups. - Every child will take part in a weekly Science lesson (apart from in EYFS where it is woven into the continuous provision). This maybe more if the Science unit is the driver of the theme e.g. Space. - Opportunities to learn through educational visits and visitors to enrich the curriculum and provide them with their cultural capital entitlement. - Units of work / lessons are adapted to meet the needs of particular cohorts or adjusted based on the environment around them e.g. Starting with Spring in Year 1 due to when it falls in the academic year so outdoor learning opportunities can be seized. Further Development: - Children will take part in a Science Week in school - Year 6 children will have opportunities to explore science in the local secondary school and attend workshops to see what careers in STEM workplaces entails so they can believe that they could one day work in this field.	Reception	Children explore Science through their knowledge and Understanding of the World Enrichment: Visit to Ash End Farm (Reception) Living Eggs (chicks)
		Year 1	Year 1's content: Animals Including Humans, Materials Seasonal Change*, Plants* Year 1 will learn about seasonal change and plants in the Spring so they are able to observe the changes in the season themselves through outdoor learning opportunities and plants seeds themselves. Enrichment: Visit to Brandon Marsh Nature Reserve
		Year 2	Year 2's content: Animals Including Humans, Materials, Plants, Living Things and Their Habitats – Plants, Year 2 will focus on Plants and living things in the Spring / Summer so they can observe these changes themselves as part of their enquiry. Enrichment: growing their own plants and maintaining plants around school site.
		Year 3	Year 3's content: Forces and Magnets, Animals Including Humans (bones), Rocks*, Light, Plants Year 3 will learn about rocks during the Spring term when they are learning about volcanoes and earthquakes in their theme. There are pertinent links across Geography and Science which support the children's depth of understanding. Enrichment: growing their own plants and maintaining plants around school site.
		Year 4	Year 4's content: Electricity Sound, Living Things and Their Habitats* (changing environments, State of Matter* (water cycle), Animals Including Humans Year 4 will learn about State of Matter in the Spring term when they are learning about mountains and rivers in their Geography theme work. This lends itself to a pertinent link to deepen the children's understanding. Enrichment: Visit to Habitat Survival Trust

lessons. Opportunities to consolidate learning ensure children know more and remember more. Science is taught through the key strands of Biology, Chemistry, and Physics, with scientific enquiry woven throughout. Children are encouraged to ask their own questions and follow lines of enquiry, helping them to think critically and independently. High value is placed on scientific vocabulary, with children learning to speak confidently and clearly about their ideas. Where appropriate, some Science units are delivered as immersive 'Themes' within year groups, allowing children to explore scientific concepts in greater depth. This supports them not only to understand the content but also to make meaningful links in their learning—so they can truly belong, believe, and become the scientists of the future.		Year 5	Year 5's content: <i>Properties and Changes of Materials</i>, <i>Earth and Space*</i>, <i>Forces and Magnets</i>, <i>Living Things and Their Habitats</i> <i>Animals Including Humans</i> Earth and Space will be a theme for Year 5 in the Spring term. This will allow children the opportunity to learn about more abstract concepts in greater depth, supporting their understanding of the learning. Enrichment: Visit to Leicester Space Centre
		Year 6	Year 6's content: <i>Animals Including Humans</i> <i>Light, Electricity, Evolution and Inheritance*</i> <i>Living Things and Their Habitats* (classification)</i>, Year 6 will learn about Evaluation and Inheritance as well as Living Things and their Habitats in the summer term alongside their Geography theme of 'South America' as there are pertinent links that can be made across Geography and Science that can deepen the children's experiences. Enrichment: Rainforest visitor into school