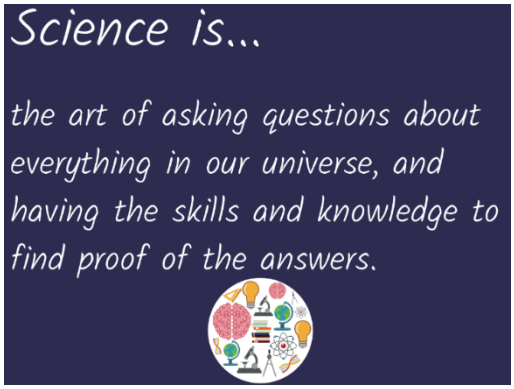
HOLSWORTHY
C OF E PRIMARY SCHOOL
Working together, growing together, all to flourish

Science Intent Statement



At Holsworthy C of E Primary School, our Science curriculum is designed to ignite a lifelong passion for inquiry, exploration, and discovery in our young learners. Our intent is to foster inquisitive young minds, equipping them with the knowledge, skills, and attitudes necessary to become informed and responsible global citizens, who can actively engage in the scientific process and the world around them.

Our Science curriculum:

- **Has a Clear and Progressive Pathway:** Our curriculum provides a clear and progressive learning pathway that builds on prior knowledge and skills year by year. We aim for children to acquire a deepening understanding of scientific concepts as they advance through primary school. Our rolling programme allows for retrieval across scientific learning and a focus block of retrieval at the end of each academic year to address gaps identified through assessment:

Year A	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
KS1	Seasonal Changes (Y1)	Living things and their habitats (Y2)	Everyday Materials (Y1)	Revisit Seasonal Changes (Y1)	Use of Everyday Materials (Y2)	Retrieval- based on assessment
LKS2	Plants (Y3)	States of Matter (Y4)	Sound (Y4)	Electricity (Y4)	Living things and their habitats (Y4)	
UKS2	Forces (Y5)	Electricity (Y6)	Animals including humans (Y5)	Animals including humans (Y6)	Properties and Changes of Materials (Y5)	

Year B	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
KS1	Animals including humans (Y1)	Animals including humans (Y2)	STEM Project	Plants (Y1)	Plants (Y2)	Retrieval- based on assessment
LKS2	Animals including humans (Y3)	Forces and Magnets (Y3)	Rocks (Y3)	Light (Y3)	Animals including humans (Y4)	
UKS2	Living Things and their habitats (Y5)	Light (Y6)	Living things and their habitats (Y6)	Evolution and Inheritance (Y6)	Earth and Space (Y5)	

- **Builds a Strong Foundation:** We recognize the importance of a solid foundation in scientific concepts and skills. Our curriculum is structured to ensure that students develop a strong understanding of fundamental scientific principles, setting the stage for more advanced learning in the future.
- **Promotes Scientific Enquiry:** Our primary goal is to nurture a sense of curiosity and wonder in our children. We encourage them to ask questions, make observations, and formulate hypotheses, fostering a spirit of scientific enquiry.
- **Enables Hands-On Learning:** We believe that the best way to learn science is by doing science. Our curriculum incorporates hands-on experiments, investigations, and interactive activities that allow students to actively engage with scientific concepts and develop critical thinking and problem-solving skills. The investigations are planned progressively to ensure children have the fundamentals in scientific knowledge and understanding alongside the required skills to work scientifically and understand the world around them.

- **Evokes Critical Thinking and Problem-Solving:** We aim to equip our students with the ability to think critically and solve problems using scientific methods, making them better prepared for challenges in the future.
- **Has Real-World Relevance**: We strive to show our children how science is relevant to their everyday lives. We connect scientific concepts to real-world scenarios, demonstrating the practical applications of science and its importance in our society.
- **Has Interdisciplinary Connections:** We recognize that science is not isolated from other subjects. Our curriculum promotes interdisciplinary connections, demonstrating how science interacts with mathematics, technology, and other subjects, fostering a holistic understanding of the world, requiring children to think on a deeper level and synthesize their learning.
- **Uses Assessment for Growth:** We use a variety of assessment methods that focus on growth and improvement. Throughout each lesson, verbal feedback is used to move learning forward. Each unit is also thoroughly teacher assessed, with these judgements used by the Science subject leader to inform curriculum design and required retrieval.
- **Is Enriched with Memorable experiences:** we believe in making science education come alive for our children. We enhance our science curriculum by organising trips and inviting exciting guest visitors to our classrooms. These experiences not only supplement classroom learning but also create lasting memories for our young learners.
- **Environmental Awareness:** We instil a sense of responsibility and environmental stewardship in our students, fostering an understanding of sustainability and the impact of human actions on the planet.
- **Appreciation of Diversity in Science:** Our curriculum highlights the contributions of diverse scientists and promotes inclusivity and gender equality in science, encouraging all students to explore their potential in the field.
- **Parent and Community Engagement:** We actively involve parents and the wider community in our science program, fostering support for our students' learning and creating opportunities for real-world application of scientific knowledge.

Our Science curriculum is designed to inspire, challenge, and empower our children, preparing them for a future where scientific literacy is an essential skill. Knowledge is ever evolving and therefore we are committed to continuously improving and evolving our curriculum to provide the best science education for our young learners.