

Curriculum: Science



'Science is simply the word we use to describe a method of organising our curiosity.'

- *Tim Minchin*

Why do we teach Science?

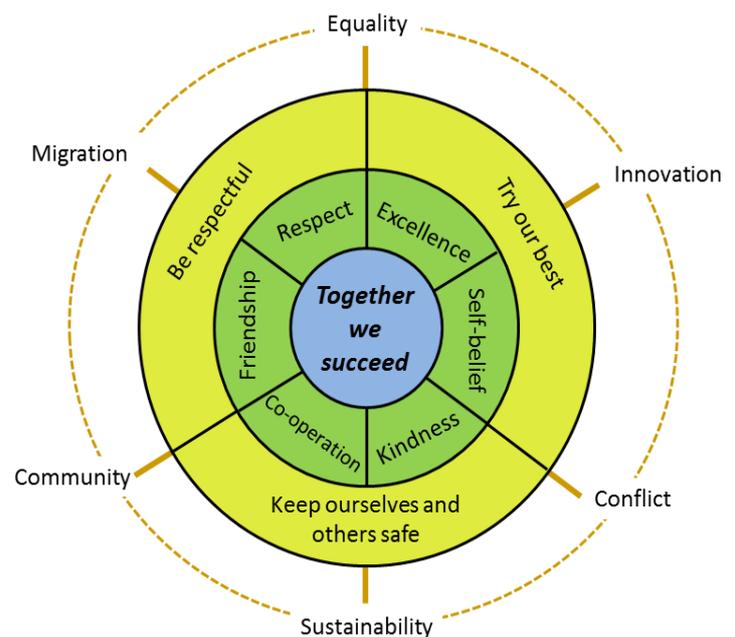
At Werrington Primary School, Science is a vital part of our broad and balanced curriculum. We aim to instil a love of Science, as we believe that those who enjoy the curiosity within Science have a greater range of opportunities to develop culturally, emotionally, intellectually, socially and spiritually. As part of our mastery approach to teaching and learning, all children are continually exposed to a range of challenging and deeper-thinking lines of enquiry, as we endeavour to enhance their understanding and develop higher-level thinking and questions. Through Science, we learn how to develop both questioning and curiosity, in addition to the development of our imagination. Scientific enquiry and investigation allows children to develop a greater understanding of the wider world and apply their skills to fuel their curiosity.

What are the aims of our Science curriculum?

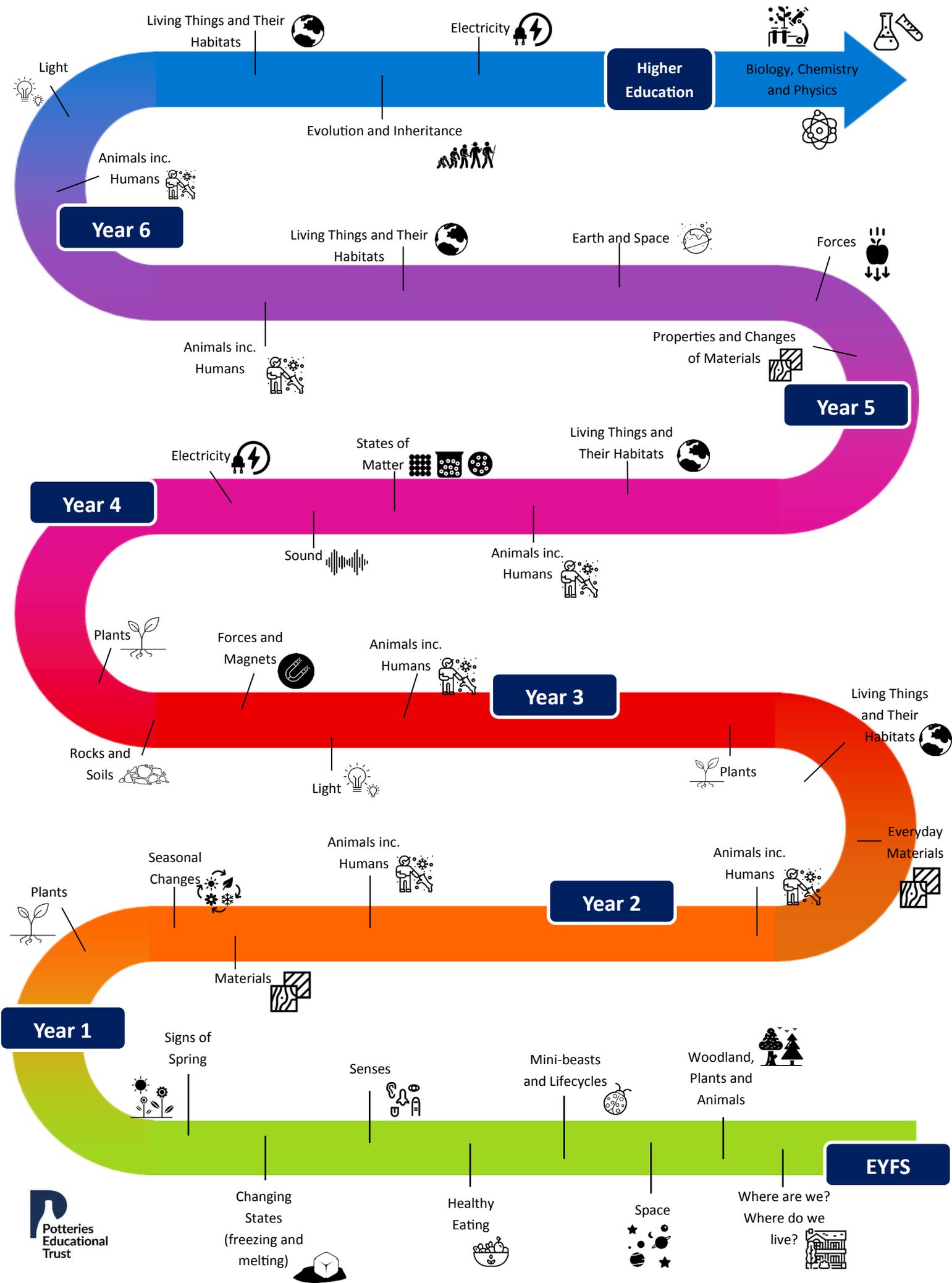
During a child's experience at Werrington Primary, our principal goal for Science is to promote a broad learning experience within both scientific knowledge and enquiry by ensuring that children are provided with ample opportunity to explore the wider world and ultimately, become inquisitive learners. We strive to do this from EYFS until their journey into higher education, ensuring that all children are prepared for the wider world and understand the vital part that Science plays in their life-long journey. We endeavour to create a range of positive and engaging scientific experiences, allowing children to develop both their understanding and love for Science.

At Werrington Primary, our bespoke curriculum has 6 golden strands which encompass the core values of our school. These strands run through the Science curriculum from Nursery to Year 6. Examples of this can be found in the table below.

Equality	Year 5 study the wider world through 'Earth and Space' discovering the scientists that make journeys into space possible.
Innovation	Year 4 study the invention of Electricity and the developments over time.
Conflict	Year 6 study 'Evolution and Inheritance' developing ideas about the world's existence and development.
Sustainability	Year 1 and Year 2 study 'Plants' and begin to develop understanding on how to create a sustainable environment for all.
Community	All year groups study key scientists and their impact on communities through the years.
Migration	EYFS (Nursery and Reception) study the world, where we came from and where we live now, looking at both migration of people and ideas.



Which units do we study at Werrington Primary School?



An example of progression: Scientific Enquiry – the development of skills, progressing to independent investigation.

Year 6

Evaluating – ‘I use relevant scientific language and illustrations to evaluate my learning.’



Year 5

Interpreting and Communicating Results – ‘I report and present findings using speaking and writing including displays and presentations.’



Year 4

Recording Data – ‘I gather, record, classify and present data in different ways including drawings, labelled diagrams, keys, bar charts and tables.’



Year 3

Observing and Measuring – ‘I make careful observations to accurately measure my findings.’



Year 2

Setting up Tests – ‘I perform simple tests and know which equipment I will need.’



Year 1

Making Predictions – ‘I can discuss my own ideas based on what I have learned.’



EYFS (Nursery and Reception)

Asking Questions – ‘I question why things happen.’

