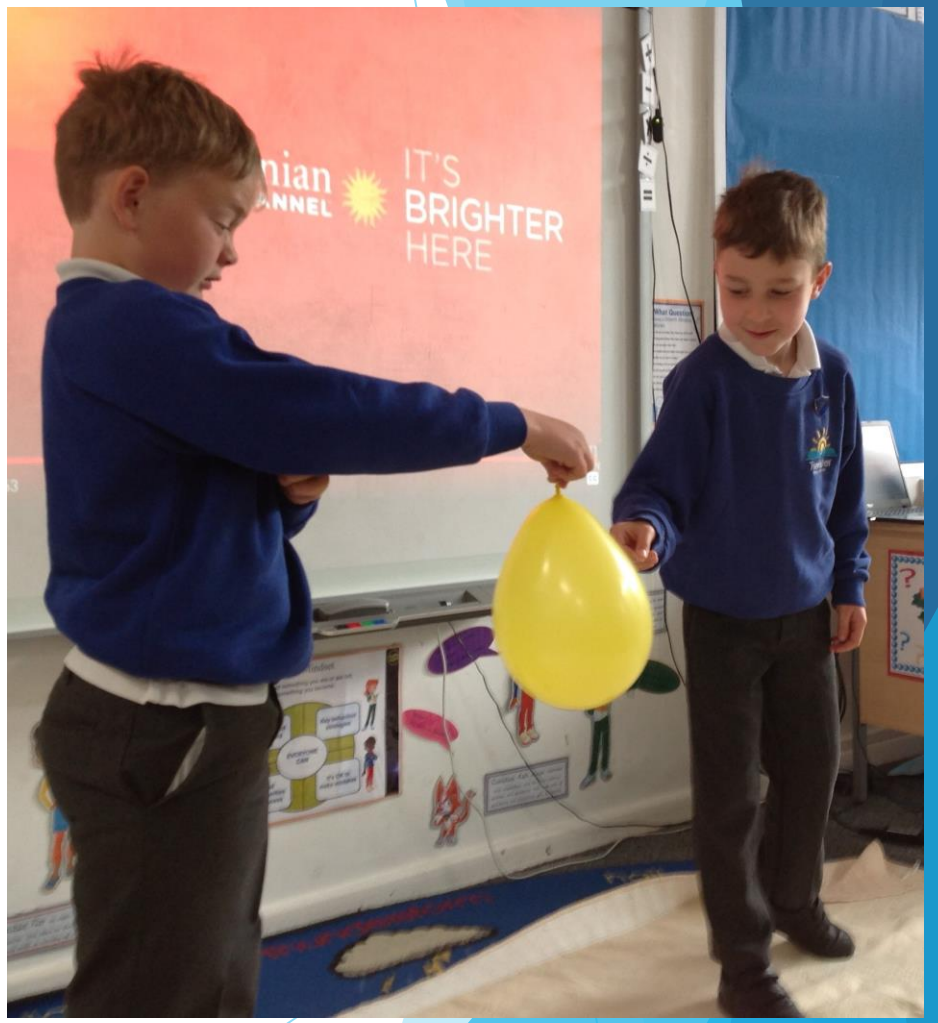
Science at Trevisker School



Science at Trevisker

Rationale

Our whole school ethos is reflected in our motto 'Friendship and Respect, Learn for Life'. At Trevisker we adopt an approach of supporting our children to become "Young Scientists." Children are supported to develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics. Furthermore, we wish for them, at Trevisker, to develop an understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them. Children must be equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.

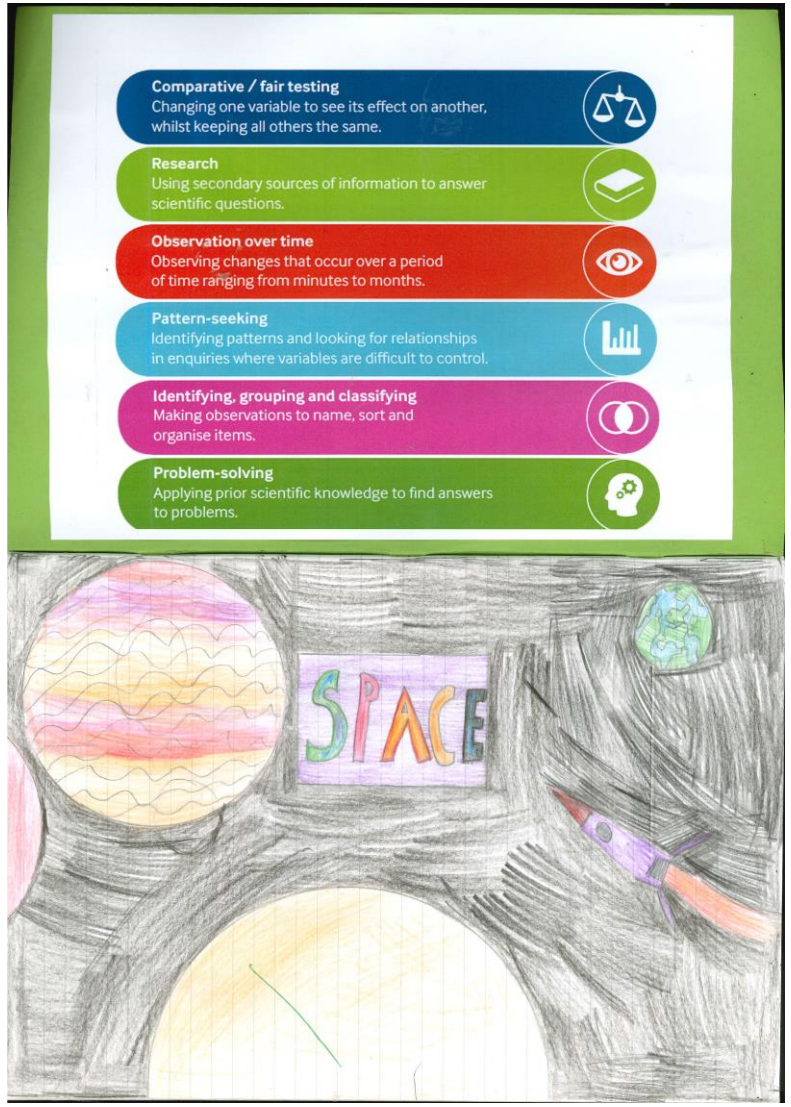
Planning

At Trevisker, we use the National Curriculum to help us create practical and engaging lessons focusing on specific topics in Science. Our 6-7-week units across the school help to create progressive lessons across an array of practical and engaging topics which promote curiosity, intrigue and discovery. Children are encouraged to learn through 6 areas of interest: Comparative/ fair testing, research, observing over time, pattern seeking, grouping/ classifying and problem solving.

Science at Trevisker

Delivery

Through an array of progressive lessons, our children our able to explore Science in the variety of lesson types. Through these key principles, children are able to challenge their learning in a progressive nature that allows them to attempt to solve Scientific problems for themselves. Scientific skills are also supported through our whole-school, cross-curricular approach where Science can be taught through an array of other engaging learning experiences.



In the books...

Trevisker Primary School

Monday 4th March 2022

Can I measure how different forces can act on a bottle car?

Science at Trevisker

Assessment

Within Science, assessment is a continuous practice. Through our high-quality teaching and monitoring, each year group team is able to support and assess learners based on their individual needs. In Science, teachers create environments where misconceptions can be challenged and evaluated while lessons can be adapted and follow a path based on where the children take their learning. From EYFS, through to year 6, across all subjects, our children assess their learning through the use of colour-coded assessments and our learning lines. Reflection of learning is an important feature of our school ethos and is key to developing thoughtful and inquisitive learners.

Science at Trevisker

Connectivity – how it links to other subjects.
Trevisker school follows an immersive curriculum where subjects flow together to allow an all-encompassing platform for learning. Whether it be using Maths to measure time or distance in Science or using ICT to record Science data, Trevisker brings a unity to curriculum learning. By bringing these subjects together, we also allow the children to have frequent simmering Science activities.

Science at Trevisker

Visits, visitors and extra-curricular activities

Experiential learning is at the heart of everything we do at Trevisker. Through our links with The Ogden Trust, Trevisker have been given whole school opportunities of Space Dome visits, guest Science speakers, trips to Newquay Space Port, as well as offering fantastic Science Fairs across the whole academy. Our children flourish whilst putting into practise what they have learned in school in different environments as well as mixing with children from other schools. Providing these opportunities for our children is what will help to make scientists of the future.

Science at Trevisker

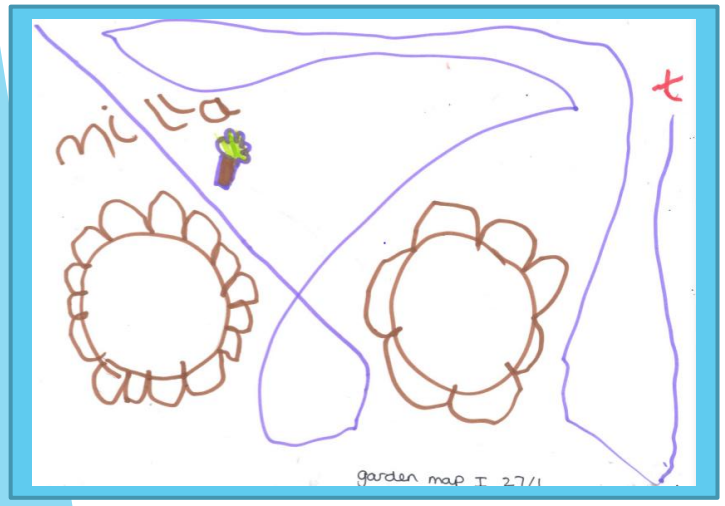
EYFS

Alongside our EYFS curriculum framework, our aim is to help our children to engage in Scientific learning in the key areas of:

Communication and Language • Personal, Social and Emotional Development • Understanding the World.

Children are encouraged to explore for themselves and build on their questioning skills as they begin their journey into Science.

EYFS



KS1 and 2