



Science

Sharlston Vision

At Sharlston, we inspire every child to shine by nurturing their unique talents and fostering a love for learning. Together, as a community, we celebrate success as a shared experience, empowering everyone to reach their full potential.

Subject Vision

Science is the systematic study of the structure and behavior of the physical and natural world through observation, questioning, experimentation and evaluation of evidence. Sharlston Community School provides all children with high-quality scientific experiences that allow them to develop their independence, ideas and ways of working, thus equipping them with a deeper understanding of the world.

Curriculum Drivers

Learning	Citizenship	Communication
<ul style="list-style-type: none">Children encounter different enquiry types and will engage in interesting, practical experiments throughout their learning.Children work independently and collaboratively to set up/carry out practical experiments.Children feel confident to evaluate their experiments and offer suggestions of how to change them or improve them.Children develop resilience when experiments don't go according to plan or the outcome isn't as expected, and they learn from this in future practical lessons.Children learn about jobs in STEM, which broadens their understanding of what being a scientist is, develops their ambition and builds their science capital.Children develop knowledge and understanding of science questions, and ask questions that can be answered through scientific enquiry.	<ul style="list-style-type: none">Children study the human impact on the world through carefully planned topics, including ocean pollution and deforestation.Children learn about the human body and how to keep it healthy. They do this through practical experiences and links with other subjects, such as PE and PSHE.Children are exposed to a variety of diverse scientists and STEM professionals from different backgrounds, gender, race and parts of the world. We also ensure that the children have exposure to everyday scientists who are from the local area.	<ul style="list-style-type: none">Children are taught and encouraged to use subject specific vocabulary.Children have opportunities to apply scientific vocabulary to written tasks that link to their English work.Children discuss their ideas throughout the whole investigation process.Children having opportunities to present their findings in a variety of ways – this could be through an informative poster, creating video content or a presenting to the class.Children are given the opportunity to work with professionals from the STEM community.We provide our children with opportunities for Science through additional projects, such as MAT-wide, whole school science weeks.

Supplements

Children experience whole school science weeks, which are usually centered around a theme. This is planned collaboratively by Science leaders across Waterton Academy Trust. The week is launched with a whole school assembly and each class partakes in practical enquiry lessons. Science week concludes with individuals/groups of children from each class being awarded a Science Stars certificate. Children present a summary of their learning in a final assembly.

Children are able to take part in workshops run by expert visitors who aim to enhance a given topic. These experts also allow the children to understand the various job roles that include science. Children have many first-hand experiences in order to deepen their understanding and instil the awe and wonder around certain science topics. An example of this is our Nursery children observing first-hand the life cycle of a ladybird, and the Reception children helping to care for chicks as they hatch and grow, as part of their learning on life cycles. We also have an Eco team in school. Children work together to make school more sustainable, and to learn about wider community environmental initiatives.