

Science Curriculum Impact Statement 2023

Turton & Edgworth



C.E.M.P.S.

Overall synopsis / developments:

- During our most recent Ofsted inspection, science was chosen for a 'Shallow Dive' where the inspector looked in depth at our science curriculum documents and questioned how our curriculum was bespoke to our school. She was incredibly complimentary about our science learning journey throughout school and highlighted our incorporation of STEM throughout school as a strength.
- During Science Week 2024, the school had a STEM Super Learning Day which was run by the science and DT ambassadors. Throughout school, we looked at female engineers and learnt about their impact in the STEM sector. The children also engaged in STEM research/ activities and we talked about parents who had careers in STEM. The children were so enthused and when asked during their pupil voice interviews, they highlighted this learning day as 'inspiring'.
- The introduction of the 'six areas of enquiry' throughout school has meant that there has been a big push on how scientific enquiry is taught throughout school. These six areas of enquiry are displayed in each classroom and in each science book for reference.
- The STEM unit incorporated at the end of the year to enhance Design Technology and science learning was successful. Children loved taking part in their own projects and learnt so much about STEM but also about how to evaluate their own learning.

Science in the EYFS:

Science in EYFS is covered in the 'Understanding the World' area of the curriculum. It is introduced indirectly through activities that encourage every child to explore, problem solve, observe, predict, think, make decisions and talk about the world around them.

During their first years at school our children will explore creatures, people, plants and objects in their natural environments. They will observe and manipulate objects and materials to identify differences and similarities. They will also learn to use their senses. They will make observations of animals and plants and explain why some things occur and talk about changes. Children will be encouraged to ask questions about why things happen and how things work as well as being able to communicate, plan, investigate, record and evaluate their findings.

The Ofsted inspector was very complimentary of our children's science learning in EYFS and how it started their learning journey throughout school.

Data overview for science

Percentage of children at the Expected Standard or better (age appropriate)

Reception	Key Stage 1	Key Stage 2	Whole school
96.4%	87.3%	93.5%	91.4%

Highlights / Life in all its fullness:

- STEM day with a focus on women in engineering. The children not only gained so much new knowledge but were also inspired.

<p>Subject leadership - CPD, Monitoring and books:</p> <ul style="list-style-type: none"> - We have worked closely with other schools in our School Improvement Group (SIG) who have provided training and support. - Learning walks and book looks have been successful in providing an overview of how our science curriculum demonstrates progress throughout both key stages from EYFS. By making our science curriculum bespoke and streamlining our units so that they are taught at the same time throughout school has meant that it is clear to see the progression across year groups even clearer than in previous years. - The introduction of the 'six areas of enquiry' throughout school has meant that there has been a big push on how scientific enquiry is taught throughout school. - Allowing opportunity for our ambassadors to have a say in their learning, along with pupil voice from across school has allowed us to refine our curriculum with pupil voice being taken into consideration. - Links with Design Technology and computing (STEM) 	<ul style="list-style-type: none"> - Ofsted inspection which looked at our science curriculum in a 'Shallow Dive' and was incredibly complimentary of our children's science learning journey throughout school. - STEM unit - <p>Pupil voice (including ambassadors)</p> <p>'I loved our STEM super learning day because we got to learn so much about different areas of STEM. I want to be an engineer when I am older. Our STEM day inspired me'.</p> <p>'I like science because I like learning about the world' (EYFS)</p> <p>'Science is my favourite subject because it is fun. I love learning through doing experiments. My favourite topic this year has been electricity'</p>
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