Science Curriculum Impact Statement 2023

Overall synopsis / developments:

- Science has been an area of focus throughout school this year. It has been important to create a curriculum which demonstrates clear progression whilst also being personal to Turton and Edgworth school. We have placed an emphasis on how we deliver scientific enquiry across both key stages and through early years. Our curriculum centres scientific enquiry and how we can develop our children's understanding of scientific ideas by using different types of scientific questioning. Due to this, we have seen our children deepened their understanding throughout KS1, KS2 and early years.
- Staff have been supported in their teaching of science and feel confident in delivering a personalised curriculum to our children which emphasises scientific enquiry alongside combining STEM.
- We have also focussed on blending science with technology through STEM day which has opened our children's eyes to the world of technology, engineering and mathematics alongside science.

Subject leadership - CPD, Monitoring and books:

- 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. 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)

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.

Data overview for Computing

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

Reception	Key Stage 1	Key Stage 2	Whole school
84.6%	92.5%	93.8%	93.3%

Highlights / Life in all its fullness:

- STEM day where we had visits from three engineers who shared their expertise with the children with a focus on women in engineering. The children not only gained so much knew knowledge but were also inspired.

Pupil voice (including ambassadors)

'Science is the best subject because we get to learn things by investigations'
'I enjoy science because you can do lots of amazing experiments like what materials conduct electricity'
'I enjoy learning about science at home too because I enjoy it so much. I have asked for lots of science books for my birthday'.