



Science Curriculum Implementation at St John's Catholic Primary School, Trowbridge.

In Key Stage 1 and 2, the Science curriculum is taught as a 2 year rolling programme of topics related directly to the 2014 National Curriculum. In the Early Years Foundation Stage 'Understanding of the World' is taught annually.

Throughout the 'programmes of study', the children acquire and develop the key knowledge that has been identified within each topic and across each year group, as well as the application of scientific skills. We ensure that the Working Scientifically skills are built-on and developed throughout children's time at the school so that they can apply their knowledge of science when: using equipment; conducting experiments; building arguments; explaining concepts confidently; asking questions and being curious about their surroundings.

There is a whole school approach to both the progression of skills and knowledge. The 'Progression of Knowledge – Science' ensures consistently across the school and develops prior knowledge. The implementation of this is monitored by the subject co-ordinator through a book and planning scrutiny and feedback with action points given to phase leaders (Term 2 January 2020).

This ensures that children are building on acquired knowledge and skills from previous topics and are preparing for future learning in order to develop mastery. Topics are supported by the use of Knowledge Organisers which establish the key vocabulary and subject knowledge that will be taught and will form a basis for formative assessment. Lessons across the school begin with an AfL* task to enable the teacher to quickly assess the children's prior understanding and AFL techniques are consistently applied throughout the lesson to facilitate good progress in learning. Specialist vocabulary for topics is taught and regularly revisited to aid cognitive working memory, and effective questioning is encouraged to communicate ideas. Support for EAL and SEND children is provided through pre teaching of this topic specific vocabulary as outline on the Knowledge Organisers.

The Science curriculum is enriched through the addition of visitors to the school, links with local secondary schools to attend Science Fairs and visits, for example to 'We the Curious' in Bristol.

AFL – Assessment for learning is an approach to teaching and learning that creates feedback which is then used to improve students performance.

