



The Intent, Implementation and Impact of our Computing Curriculum

School Mission Statement



St Michael's RC Primary School is a Catholic family of faith, following the teaching of Christ. We strive to create an environment where all members of our school community become caring, independent and resilient individuals who fulfil their potential.

"I came so that you may have life, life in all its fullness" John 10:10

Intent

Knowledge of computing, online safety and a command of technology, is an essential resource for a child's learning in school and at home. It is a tool used in everyday learning both across subjects and as a subject in its own right. Furthermore, it is a subject which is embedded in children's lives due to the increase of technology through the world.

Computing at St. Michael's will not only be a weekly discrete lesson, but is a part of everyday learning. It is embedded within our lessons through the use of technology and the discussion of online safety and we strive for a high level of understanding for all to prepare them for their futures in this technology run world. Through use of technology around the school both discreetly and through cross-curricular links St Michael's ensures the curriculum expectations and the progression of skills are met. As a result, the children at St. Michael's will be exposed to computing language and a deep understanding of how computers work allowing them to develop a deep understanding of technology which will support their futures.

At St. Michael's we recognise that each child has their own starting point upon entry to every year group and progress is measured in line with these starting points to ensure every child can celebrate success.

We intend to encourage all pupils to learn to use technology safely and understand the dangers while staying positive towards all wonderful uses that it has. We intend that computing and technology will become embedded into children lives to support them in their futures.

Implementation

Beginning in nursery and continuing through all Primary years the children are exposed to technology all around them. Starting in year 1 children start to have discrete computing

lessons where the national curriculum is covered along with online safety. Working with adults, other children and independently the children have structure lesson which include exploring different types of software and networks and completely specific tasks based on these topics.

Throughout their years at St Michael's children extend their knowledge of what has been taught in the previous years. This happens particularly in coding, spreadsheets and online safety which are taught in every year group. Children are also provided with opportunities to use computing and software in cross-curricular ways ensuring their knowledge and understanding is fully embedded.

Challenge

Children are given the opportunities both in class and outside of class to expand their knowledge of computing by completing challenges which are set up for them. These challenges include class challenge to extend learning for when a child shows they have a secure understanding of the topic, challenges put up on the challenges board in the I-zone which children are free to access and complete in their own time and challenges designed by teachers, the computing lead and outside sources for year groups to complete for competitions.

Impact

The impact on our children is clear: progress, sustained learning and transferrable skills. With the implementation of computing being established and taught in both key stages, children are becoming more confident users of technology. Children are able to discuss key vocabulary and understand how to use computers for a range of purposes. As computing is becoming more integral to the curriculum children are becoming more confident in using technology for cross curricular links to support their learning through research, Poplet, educational games and many other uses. We hope that as children move on from us their interest and enjoyment in computing continues to be fostered allowing them to use their knowledge for their futures in an increasingly technological world.