



St Marie's Computing Curriculum

At St Marie's, technology and computing is integrated across the curriculum. Computing skills are a major factor in enabling children to be responsible, confident, knowledgeable, creative, and independent learners, and it is our intention that pupils at St Marie's to have every opportunity available to allow them to achieve this.

Intent

At St Marie's, we equip children to use computational thinking and creativity to enable them to become active participants in the digital world. We provide a computing curriculum that is designed to balance acquiring a broad and deep knowledge, alongside opportunities to apply skills in various digital contexts. Beyond teaching computing discreetly, we give children the opportunity to apply and develop what they have learnt across wider learning in the curriculum, including Stop Motion videos. Our computing curriculum focuses on key computer skills, communicating through text and images, communicating through multimedia, understanding and sharing data and computational thinking and programming. In addition to this, online safety is taught regularly throughout the year to ensure the children know how to stay safe online and are educated in the ever-changing digital world. To embed this, we model to and educate the children on how to use technology positively, responsibly and safely. We want our children to be creators not consumers. Staff are encouraged to try to embed computing across the whole curriculum to make learning creative and accessible, so children are enthusiastic to take part and speak up in lessons. We want our pupils to be fluent with a range of tools to best express their understanding and whilst ensuring they understand the advantages and disadvantages associated with online experiences, we want children to develop as respectful, responsible and confident users of technology, aware of measures that can be taken to keep themselves and others safe online.

Implementation

Our scheme of work for computing is adapted from the 'Teach Computing' Curriculum and covers all aspects of the National Curriculum. This scheme provides an innovative progression framework where computing content (concepts, knowledge, skills and objectives) has been organised and ensures that skills and knowledge are built on year by year and sequenced appropriately to maximise learning for all children. At St Marie's, we give children access to a wide range of good quality resources and provide cross curricular opportunities for children to apply their computing knowledge and skills. Staff implement computing skills across the curriculum through various ways. Some examples are using BeeBots in French lessons to learn directions, creating green screen videos, creating QR codes to access various media and in using Plickers for assessment in various lessons. The children are also given the opportunity to explore art and design using multimedia.

Impact

The implementation of this curriculum ensures that when children leave St Marie's, they are competent and safe users of ICT with an understanding of how technology works. They will have developed skills to express themselves and be creative in using digital media and be equipped to apply their skills in computing to different challenges going forward. Finding the right balance with technology is key to an effective education and a healthy lifestyle. We feel the way we implement computing helps children realise the need for the right balance and one they can continue to build on in their next stage of education and beyond. Progress of our computing curriculum is demonstrated through outcomes and can be seen in the Computing Curriculum book for each class. Our pupils also showcase, share and celebrate their work, both at home and in school.

We work together to prepare our children for growing up in the ever-changing digital world to ensure they are safe online.