

Computing Curriculum

At St John's we work hard and aim high and are good friends to each other.
Our Christian school is a happy place where learning together is fun



Intent

At St John's we offer our pupils a structured sequence of lessons to ensure that the pupils cover the skills required to meet the aims of the National Curriculum. The content allows for a broad, deep understanding of computing and how it links to the children's daily lives. Our curriculum offers a range of opportunities for consolidation, challenge and variety. This allows our pupils to apply the fundamental principles and concepts of computer science. They will develop analytical problem-solving skills and learn to evaluate and apply information technology. We want our children to develop the life skills they need to live in an increasing digital world.

We will develop these skills through

- Digital literacy
- Computer science
- Information technology

Implementation

At St John's each lesson contains revision of previous skills, analysis and problem solving. Through a sequence of lessons we want to inspire pupils to develop a love for the digital world and see its place in their future. We will use our personalised curriculum to develop cross-curriculum links to develop learning further. Our lesson will build on prior knowledge and at the same time develop new skills and knowledge.

- KS1 will focus on developing the use of algorithms, programming and how technology can be used safely and purposely. For example, creating images for the Great Fire of London in History in Year One.
- KS2 will build upon these skills, but in a more complex way and for different purposes. Our pupils will also develop their knowledge of computer networks, internet services and the safe and purposeful use of the internet and technology. In Upper KS2 there will be more emphasis on data handling. The skills learnt in KS1 and lower KS2 are used to support data presentation.
- Key vocabulary is built upon through the years to ensure that progression is met.

Staff will use end of unit assessment along with key vocabulary to assess the progression of these skills and knowledge to ensure that outcomes have been met.

This will all be overseen by the computing lead through regular monitoring, reviewing and evaluating. Good practise will be shared with all to ensure that we evolve and develop further as a team.

Impact

We want the learning of computing to be enjoyed across the school. At St John's we have high expectations and evidence of this will be in a variety of forms. The children will use digital and technological vocabulary accurately, alongside a progression in their technical skills. They will become confident using a range of software and hardware. We want our children to see the digital world as part of their world, extending beyond school and understand that they have choices to make, with our support they will make the right choice. Our children, at St John's, will be confident and respectful digital citizens going on to lead happy and healthy digital lives.