



## Computing

### Intent

At St Winifred's Catholic Primary School, we understand and value the importance of teaching computing from a young age, within an ever-changing and technological world. We acknowledge that future generations will rely on computational confidence and digital skills in order to support their progress within their chosen career paths.

Therefore, it is our school's aim to equip children with the relevant skills and knowledge required to understand the three core areas of computing (digital literacy, information technology and computer science) and to offer a broad and balanced approach to providing quality first teaching of this subject.

Computing and information communication technology has become an integral part to a child's education and everyday life. Therefore, we intend to support our pupils to access and understand the core principles of this subject through engaging and cross-curricular opportunities.

### Implementation

Teaching and learning will facilitate progression across all key stages within the strands of digital literacy, information technology and computer science. Computing will be taught through a clear and effective, bespoke cross curricular scheme of work that provides coverage in line with the National Curriculum.

- Children have access to resources which aid in the acquisition of skills and knowledge.
- Children will have access to the hardware (computers, tablets, programmable equipment) and software that they need to develop knowledge and skills of digital systems and their applications.
- Teaching and learning facilitates progression across key stages within the strands of digital literacy, information technology and computer science.
- Children will have the opportunity to explore and respond to key issues such as digital communication, cyber-bullying, online safety, security, plagiarism and social media.
- Wider curriculum links and opportunities for the safe use of digital systems are considered in wider curriculum planning.
- The importance of online safety is shown through displays within the learning environment and computer suite.
- Parents are informed when issues relating to online safety arise and further information/support is provided if required.

- As well as opportunities underpinned within the scheme of work, children will also spend time further exploring the key issues associated with online safety, such as the annual Internet Safety Week.

### **Impact**

- Children will understand how to stay safe online.
- Children will be confident users of technology and able to use it to accomplish a wide variety of goals, both at home and in school.
- Children will have a secure and comprehensive knowledge of the implications of technology and digital systems. This is important in a society where technologies and trends are rapidly evolving.
- Children will be able to apply the British values of democracy, tolerance, mutual respect, rule of law and liberty when using digital systems.

[See Computing curriculum map](#)

[See Computing policy](#)