



Computing Curriculum

Intent

At All Saints CE (Aided) Primary School, we want pupils to be MASTERS of technology and not slaves to it. Technology is everywhere and will play a pivotal part in students' lives. Therefore, we want to model and educate our pupils on how to use technology positively, responsibly and safely. We want our pupils to be creators not consumers and our broad curriculum encompassing computer science, information technology and digital literacy reflects this. We want our pupils to understand that there is always a choice with using technology and as a school we utilise technology to model positive use. We recognise that the best prevention for a lot of issues we currently see with technology/social media is through education.

Building knowledge in this subject will allow pupils to effectively demonstrate their learning through creative use of technology. We also understand the accessibility opportunities technology can provide for our pupils. Our knowledge rich curriculum has to be balanced with the opportunity for pupils to apply their knowledge creatively which will in turn help our pupils become skilful computer scientists. We encourage staff to try and embed computing across the whole curriculum to make learning creative and accessible. We want our pupils to be fluent with a range of tools to best express their understanding and hope by Upper Key Stage 2, children have the independence and confidence to choose the best tool to fulfil the task and challenge set by teachers.

Implementation

At All Saints CE (Aided) Primary School, knowledge, understanding and skills in computing and ICT are built upon and developed in each year group, from Nursery to Year 6. Computing is taught as a single subject, whilst seeking cross-curricular opportunities in other subject areas. Within each year group, computing skills are learnt through different strands, such as programming, coding and controlling devices; digital exploration; communicating and collaborating; multimedia; digital imagery; music and sound, and data handling. To embed and progress these skills, the learning focuses on a small proportion of these strands over a half term. Where possible, we use the Wokingham Schemes of Work and the Purple Mash Computing Scheme to provide relevant learning opportunities, in line with the National Curriculum.

To maintain safe and appropriate use of electronically connected devices, a formal e-safety lesson is taught at the start of each half term, with the SMART rules shared to empower children in the positive use of these technologies.

Impact

During a child's learning journey at All Saints CE (Aided) Primary School, they learn to be confident users of technology and are 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. Finally, children will be able to apply the British values of democracy, tolerance, mutual respect, rule of law and liberty when using digital systems.