



Computing Curriculum Statement

Intent

It is our aspiration to ensure every child, by the end of their 'Journeys of Discovery' at All Saints are: safe, confident, creative and efficient in using a range of online and physical technology. Throughout our school we promote our learning ethos of head, hand and heart, which ensures our children develop the knowledge, skills and values to thrive. Our intention is for our computing curriculum to positively influence other areas of learning, by being able to supplement learning content, provide opportunities for pupils to present their knowledge (Head), develop key skills which are transferrable and purposeful in later life (Hand), and educating children to display our core Christian values (Heart). Through high quality learning and teaching, we will see ensure children are safe online and are able to use technology to enhance learning and presentation independently across the curriculum.

The quality of children's learning in computing will be clearly evident in their books, on Twitter and displayed around the school. Evidence such as this is used to feed into teachers' future planning, and as a topic-based approach continues to be developed, teachers are able to revisit misconceptions and knowledge gaps in computing when teaching other curriculum areas. This supports varied paces of learning and ensures all pupils make good progress. From research methods, use of presentation and creative tools and critical thinking, computing at All Saints gives children the building blocks that enable them to pursue a wide range of interests and vocations in the next stage of their journey.

Implementation

At All Saints, computing is taught within our 'Journeys of Discovery' rather than as a separate scheme or stand alone units. We feel this approach allows computing to be taught both as a discrete subject but also as a tool to deliver on the learning outcomes for other subjects. Employing cross-curricular links motivates pupils and supports them to make connections and remember the steps they have been taught. Our staff have begun a journey themselves, going from a limited subject knowledge and skill set to now possessing greater confidence and skills in a range of computing programs and resources.

We have invested heavily in computing resources to enhance learning outcomes and progression for our children. We now have enough iPads so that every pupil has access to one, as well as this we purchased 12 VR which have allowed us to experience inaccessible events like the moon landing or volcanic eruptions! By using the expertise of the computing lead to deliver regular hands on learning for the staff our staff are confident and enthusiastic. Staff knowledge audits have been used to decipher which apps and programs our staff required a greater knowledge of which enabled us to develop a program of CPD for staff. This has resulted in computing knowledge and skills being demonstrated by staff and pupils throughout the school. The implementation of the curriculum also ensures a balanced coverage of computer science, information technology and digital literacy. The children will have experiences of all three strands in each year group, but the subject knowledge imparted becomes increasingly specific and in depth, with more complex skills being taught, thus ensuring that learning is built upon. For example, children in Key Stage 1 learn what algorithms are, which leads them to the design stage of programming in Key Stage 2, where they design, write and debug programs, explaining the thinking behind their algorithms.

Impact

Our children will be safe and confident online and in their use of computing technology. They will have secure knowledge and skills in the three main areas of the computing curriculum: computer science information technology and digital literacy. This will lead to significantly improved outcomes for our children at the end of Key Stage 2 across their Journey's of Discovery, with children using app-synergy to combine several resources to achieve a set goal. All Saints children will be safe and ready to take their next step on their digital journey in the next phase of education.