



Computing



Intent

At All Saints Junior School, we have chosen to use [Kapow](#) to form the core basis of our computing curriculum and it is our intent that this subject is taught in all year groups through one topic every half term.

These units are a comprehensively-planned series of lessons, which are fully mapped to the National Curriculum, ensuring progressive coverage of the knowledge, understanding and skills required in the three main recognised strands of computing – computer science, digital literacy (including e-safety) and information technology.

The content aims to provide rich and varied learning experiences for pupils throughout Key Stage 2, allowing for a broad, deep understanding of computing and how it links to children's lives, while also offering a range of opportunities for consolidation, challenge, and variety.

The curriculum encourages children to develop analytical problem-solving skills and enables them to become responsible, competent, confident, and creative users of information technology.

Implementation

As a school, we are dedicated to the teaching and delivery of a high-quality computing curriculum and, as such, each child has access to the internet and is taught how to use it appropriately and safely. The lessons, resources, and software we use ensures a mix of revision, analysis and problem-solving activities and are designed to help children build on prior knowledge at the same time as introducing new skills and challenges across the three strands.

The children will have experiences of all of these 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, in Key Stage 2, children still focus on algorithms, programming and coding but in a more complex way and for different purposes than introduced in Key Stage 1 and will go on to develop their knowledge of computer networks, internet services and the safe and purposeful use of the internet and technology.

We believe that digital literacy should not be developed in discrete computing sessions alone and so embed this into other curriculum areas, thus giving children further access to a range of software, technologies and tools and allowing them to apply their knowledge and skills in different areas. We want children have as much exposure to learning, about and with, digital technologies as possible which is why we have a set of laptops and iPads available to all year groups to use for both discrete and cross-curricular teaching of the subject.

Impact

Assessment of children's learning in computing is an ongoing monitoring of children's understanding, knowledge and skills by the class teacher, throughout lessons. At the end of each unit, there are more formal assessment tools that include expectations for each year group and guidance as to what those expectations might look like in practice, so teachers accurately know where their pupils are and what they need to do next to make good progress and meet the statutory attainment expectations set out in the National Curriculum for Computing.

After the implementation of this robust computing curriculum, children at All Saints will be digitally literate and able to join the rest of the world on its digital platform. They will be equipped, not only with the skills and knowledge to use technology effectively and for their own benefit, but more importantly – safely.

The biggest impact we want on our children is that they understand the consequences of using the internet and that they are also aware of how to keep themselves safe online.