



Computing Curriculum Statement

Intent:

At Wyke Primary School, we provide high quality computing education which equips children to use computational thinking and creativity to understand and interact with the world around them. The curriculum teaches children key knowledge about how computers and computer systems work and how they are designed and programmed. Learners will have the opportunity to gain an understanding of computational systems of all kinds, whether or not they include computers.

Implementation:

At Wyke Primary School, computing is taught in subject specific lessons, employing cross-curricular contexts where appropriate, to motivate children and support them to make connections and remember the steps they have been taught. The implementation of the curriculum also ensures a balanced coverage of computer science, information technology and digital literacy. The children will have experience of all three strands in each year group, but the subject knowledge imparted becomes increasingly specific and in depth, building on prior knowledge, as the skills taught become more complex. 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 programmes, explaining the thinking behind their algorithms.

Developing an understanding of how to use technology safely and appropriately is fundamental to the modern world and is consequently, an essential part of children's learning. Online safety and digital awareness is woven throughout the school year and highlighted on themed days such as Safer Internet Day.

We have a computing suite and a set of class iPads to ensure that all year groups have the opportunity to use a range of devices and programs for many purposes across the wider curriculum, as well as in discrete computing lessons. This is supported by programmable Bee-Bots, digital cameras, wireless keyboards for iPads, site-wide WiFi, audio recording equipment and SEN laptops, allowing for a dynamic learning environment to be set up as required.

Impact:

Through their computing learning, children leave Wyke Primary School:

- with a love for computing - both the concepts behind the subject and the creative opportunities it provides
- with the ability to think creatively and logically to find solutions to digital challenges
- equipped with research methods and the ability to use presentation and creative tools
- with critical thinking skills that they can apply in secondary school and beyond
- safe, considerate and well-informed digital citizens
- recognising the important role that technology plays in 21st Century society and how it can be used to better their lives and the lives of those across the world.