Computing Curriculum Statement

Intent:

At Mytchett 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 Mytchett Primary School, computing is taught in blocks, employing cross-curricular contexts 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 programing 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 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.

Our children are beginning to capture their learning digitally using Seesaw, a digital platform. They are creating portfolios, enabling them to showcase a journey of learning, not just in computing but across the whole curriculum. Additionally, they can share and evaluate their own learning as well as that of their peers.

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 programmes for many purposes across the wider curriculum, as well as in discrete computing lessons.

Impact:

Through their computing learning, children leave Mytchett 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 digital challenges.
- Equipped with research methods, the ability to use of presentation and creative tools, and with critical thinking that they can apply in secondary school and beyond.
- Safe, considerate and well informed digital citizens.