Computing

Intent

At Springcroft we recognise the ever-changing world that we live in and what part technology plays in this. Generations to come will have to become more reliant on their digital skills in supporting their lives in the modern world. Therefore, it is our school's aim to equip children with the relevant skills and knowledge that is required to understand the three core areas of Computing (Computer Science, Information Technology and Digital Literacy) and to become digitally literate citizens, employing these skills in their everyday lives through an offer of a broad and balanced, cross-curricular approach where possible.

The main objectives of our curriculum are:

- To ensure a progression of knowledge and skills across each year group, in line with national curriculum expectations, where children can consolidate their learning.
- To identify cross-curricular opportunities for computing to help build an appreciation and enthusiasm for the use of technology in everyday tasks.
- To ensure children and parents understand how to stay safe online and while accessing other forms of technology, including mobile communications.
- To ensure children leave us at the end of KS2 with the required skills to access future learning at a higher level (KS3).

Implementation

In order to achieve our objectives, the content and expectations of our curriculum are driven by the 'Twinkl' scheme of work and progression document, which outlines the teaching in each year group. This scheme includes the three core areas of computing and the requirements of the national curriculum:

- **Computer Science**- the understanding of coding and programming with a range of resources.
- **Information Technology**- the skills required to operate and manipulate specific programs and content.
- **Digital Literacy**- the knowledge of how to stay safe and assess potential risks.

This content is supported with additional resources such as; scratch, Logo, Microsoft Office Programs, Office 365, interactive whiteboards, laptops and class iPad's, Microsoft Teams and some unplugged activities. Cross-curricular opportunities are identified by class teachers and in the order of which they deliver units of work to ensure that Computing is not just seen as a standalone area.

As a school we also take part in 'Safter Internet Day' each February to ensure we are continuously raising the profile of e-safety alongside our discrete half-termly e-safety lessons, which are progressively planned in accordance to the needs of the year group. Parents also have access to our regular e-safety newsletter to support their knowledge of how to keep their child safe and how to spot potential safety/security issues.

Impact

The overall impact of our curriculum will be assessed using teacher assessment and yearly progress data. Subject monitoring will also inform future developments within the subject. In assessing our aims, we should see that pupils:

- Are confident and enthusiastic in their learning, enjoying their computing lessons.
- Will produce a range of products using a range of skills, hardware and software.
- Have an informed understanding of the potential risks when working online and how to keep safe.
- Transition to KS3 with the agreed level of skills in the subject.