Stukeley Federation – Computing Intent, Implementation & Impact Statement

Vision Statement:

*In our inclusive and happy schools, we make sure **everyone** feels welcomed, valued and valuable.*

Our safe and inspiring learning environment helps us work towards achieving our best, in all that we do, so that we can become independent and resilient members of our wider community.

Our shared Christian values give us a foundation of challenge and support, helping to make a positive change in the world, as we strive to create a community of respect and aspiration, preparing everyone for their future.

Core Values:

Respect – Equality, Tolerance, Understanding
Politeness – Thoughtfulness, Appreciation
Friendship – Caring, Sharing, Love
Honesty – Trust, Fairness, Peace
Responsibility - Quality & Excellence, Cooperation
Resilience – Determination, Patience, Hope

Intent:

We aim for our children to know about, and be respectful of the potential and risks of new technologies, with a desire and determination to learn and apply their learning. Computing, in general, is at the forefront of everyone's lives. Through their study of computing, the children will acquire fundamental and transferable skills and knowledge which they will use explicitly in Computing lessons and across other areas of the curriculum. They will participate safely, thoughtfully and effectively in the digital world at home and beyond their primary school education.

Children will be able to effectively communicate their understanding, enabling them to work **cooperatively** with their peers and will become **independent** learners and take **responsibility** for their learning. They will develop **resilience** when dealing with challenging concepts, which can be applied to other aspects of life.

Implementation

Computing is taught as an integral part of the curriculum, both as a stand-alone subject and woven into the learning of other subjects. Our curriculum is divided into learning areas of Computer Science and Information Technology; this includes learning about different software and their uses, the use of Information Technology, and the use of Search Technologies. Our bespoke, progressive curriculum incorporates a combination of practical and theory-based learning through the use of 'unplugged' sessions and a range of technologies. All of our learning in Computing is underpinned by an understanding of e-Safety through an Online Safety curriculum linked to the PSHEE curriculum.

Computer Science: The children will learn how to create and use algorithms (instructions) to control digital devices. Understanding the resilience of debugging and logical reasoning will be developed.

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Information Technology – Software: The children will be given the opportunity to learn how to use technologies, beginning with mouse and keyboard skills, and the uses of a touch screen.

Information Technology – Uses: The children will learn about the uses of technology in and out of school, leading to an understanding of networks, the internet, and methods of communication.

Information Technology – Searching: Children in KS2 will be taught how to use search technologies effectively. They will learn whether information can be trusted and the responsibility of ensuring what they share is accurate and trustworthy.

Impact

Children will be confident users of technology. They will have a secure and comprehensive knowledge of the implications of technology and digital systems. They will understand the importance of being safe online in a society where technologies and trends are rapidly evolving.