Fiskerton CE Primary School

Computing

Intent, Implementation and Impact Statement

Belonging, learning and flourishing together in God's love.

'Encourage one another and build each other up' (1 Thessalonians 5:11)

Computing Curriculum Intent

Rooted in God's love and inspired by St Clement's call to live in harmony, our Computing curriculum reflects our commitment to being an inclusive and caring church school where every individual is known, valued and nurtured. We aim to inspire pupils to develop the knowledge, skills and understanding needed to thrive in an increasingly digital world. Through this, we are enabling pupils to appreciate the use of technology responsibly, ethically and creatively, reflecting principles such as respect, wisdom, courage and community.

In line with our vision of belonging, learning and flourishing together, we support children to grow into confident, reflective and resilient digital learners. Our curriculum encourages pupils to work collaboratively, supporting and encouraging one another in their learning, living out our underpinning Bible verse: *"Encourage one another and build each other up" (1 Thessalonians 5:11).*

Our progressive curriculum is carefully sequenced to build knowledge and skills over time. It fosters curiosity and deepens pupils' understanding of computer science principles, in addition to learning how to stay safe and behave with integrity when online. Through engaging and purposeful lessons, pupils are given opportunities to explore new ideas, be creative and innovative in a variety of ways and reflect on how technology can impact on society.

As pupils move through the school, they gradually build resilience and independence when learning and developing new skills. They are encouraged to persevere, take risks and develop independence in their learning, supported by high expectations and a nurturing environment.

Through high aspiration, encouragement and a love of learning, we empower all pupils to flourish and to be the very best they can be, equipping them with the skills and confidence to develop their digital literacy, knowledge of computer science and information technology learning beyond their time at primary school.

Implementation

Our computing curriculum is delivered through a carefully structured and progressive sequence of lessons, supported by high-quality resources. This ensures consistency, clear progression and full coverage of the National Curriculum.

Teaching is designed to be inclusive, engaging and supportive, enabling all pupils to feel valued and successful as they develop essential digital skills. Lessons incorporate a balance of computer science, information technology and digital literacy, with regular opportunities for practice and application to support long-term understanding. Teachers model processes clearly and provide appropriate scaffolding to build pupils' confidence, gradually encouraging greater independence and problem-solving.

In Key Stage 1 and Lower Key Stage 2, there is a strong emphasis on developing foundational skills such as using technology safely, understanding basic algorithms and exploring simple programs. This helps pupils to build confidence and curiosity about how technology works. As pupils move into Upper Key Stage 2, they begin to apply their knowledge more independently, engaging with more complex programming concepts, data handling and digital creation.

Spiritual, moral, social and cultural development is woven throughout the curriculum. Pupils are taught to use technology responsibly, reflecting on how their actions online affect others and the wider community. They explore themes such as respect, kindness and integrity in digital spaces, alongside developing an understanding of their role in keeping themselves and others safe online. Opportunities for discussion and reflection support pupils' understanding of identity, belonging and ethical responsibility in a digital world.

Collaborative learning is a key feature of computing lessons. Pupils are encouraged to work together to solve problems, share ideas and support one another, fostering a positive learning environment where encouragement and mutual respect are evident. Teachers create opportunities for pupils to take risks, debug, persevere and learn from mistakes, building resilience in a safe and nurturing space.

Impact

The impact of our computing curriculum is that pupils develop confidence, curiosity and a responsible attitude towards technology. They engage with the digital world in a thoughtful way, recognising both its opportunities and responsibilities, and understand their role in using technology wisely.

Pupils make clear progress in their computing knowledge and skills over time. They are able to use technology purposefully, create and debug simple programs, and communicate ideas using digital tools with increasing confidence and accuracy. They develop their understanding of computer science, information technology and digital literacy, applying their skills across a range of contexts.

Children develop resilience and a willingness to take risks in their learning. They are confident to explore, problem-solve and debug, recognising that mistakes are a valuable

part of the learning process. This reflects a supportive environment where pupils encourage one another and celebrate success together.

Pupils leave primary school with a secure foundation in computing, including key programming concepts, digital skills and a strong understanding of online safety. They are well-prepared for the next stage of their education and have the confidence to engage with new technologies and challenges.

Beyond academic outcomes, pupils develop as respectful, reflective and responsible digital citizens. They understand the importance of kindness, respect and integrity in online interactions, and recognise their responsibility to keep themselves and others safe. They are equipped with the knowledge, skills and values needed to flourish both in school and in an increasingly digital world.