

Computing Intent, Implementation and Impact

Intent

At **St Cuthbert's Catholic Primary School**, our intent is to deliver a high-quality computing curriculum that equips children with the knowledge, skills and understanding they need to thrive in a rapidly evolving digital world. We aim for all pupils to become confident, competent and creative users of technology, with a strong understanding of how digital systems work and how they can be used safely and responsibly.

Our computing curriculum is designed to enable pupils to:

- Develop a secure understanding of the three core strands of computing: **computer science, information technology and digital literacy**.
- Apply key principles of computer science, including **logic, algorithms, decomposition, debugging and data representation**.
- Use technology purposefully to create, organise, store, manipulate and present digital content.
- Become **safe, respectful and responsible digital citizens**, with a clear understanding of online safety, privacy and appropriate online behaviour.
- Build resilience, problem-solving skills and independence, preparing them for future learning and life beyond primary school.

Our curriculum is ambitious and inclusive, ensuring that all children, including those with SEND, have access to high-quality computing experiences.

Implementation

Computing is taught as a discrete subject through a clear and structured scheme of work that ensures full coverage of the National Curriculum. Learning is carefully sequenced to ensure progression of both knowledge and skills across year groups and across all three strands of computing.

Children are given regular opportunities to use a wide range of **hardware and software**, including laptops, iPads and programmable equipment, to support hands-on, practical learning. Lessons encourage exploration, experimentation and problem-solving, enabling pupils to apply their learning in meaningful contexts.

Online safety is a key component of the curriculum and is taught regularly and explicitly. Children learn how to stay safe online, protect their personal information, communicate respectfully and understand the potential risks of digital technologies. These messages are revisited throughout the year to reinforce understanding and promote responsible digital behaviour.

Assessment in computing is primarily formative. Each child maintains an **online portfolio** of their work, allowing teachers to monitor progress, identify next steps and ensure progression over time. Staff development is supported through ongoing training and external expertise, ensuring confidence and consistency in delivery.

Impact

As a result of our computing curriculum, children at St Cuthbert's become confident and capable users of technology. They are able to apply their knowledge of computing creatively and purposefully across the curriculum and in real-life contexts.

Pupils demonstrate:

- Secure knowledge of key computing concepts and vocabulary.
- The ability to solve problems logically and systematically.
- Confidence in using a range of digital tools and platforms.
- A clear understanding of online safety and responsible digital citizenship.

Children leave St Cuthbert's Catholic Primary School well prepared for the next stage of their education, with the digital skills, knowledge and ethical understanding needed to participate fully and safely in modern society.

