



Computing – Intent, Implementation and Impact

"Let all that you do be done in love."

1 Corinthians 16:14

Intent

At St Mark's Catholic Primary School, we believe that technology is an integral part of modern life and that all children should be equipped with the knowledge, skills and understanding to use it safely, responsibly and creatively. Rooted in our Catholic ethos, our Computing curriculum encourages pupils to use technology as a force for good, demonstrating respect, kindness and responsibility in both the digital and wider world.

Using the **Teach Computing Curriculum** developed by the National Centre for Computing Education, we provide a broad, ambitious and progressive curriculum that ensures all pupils develop the knowledge and skills needed to become confident digital citizens.

Our Computing curriculum aims to:

- Develop children's understanding of computer science, information technology and digital literacy.
- Equip pupils with the knowledge and skills to use technology effectively and purposefully.
- Foster creativity, problem-solving and logical thinking through programming and computational thinking.
- Teach children how to communicate and collaborate safely in an increasingly digital world.
- Ensure pupils understand the importance of online safety and responsible digital behaviour.
- Prepare children for the next stage of their education and for life in a rapidly changing technological world.
- Promote Catholic values by encouraging respect, honesty, integrity and responsibility when using technology.

Implementation

Computing is taught through the **Teach Computing Curriculum**, which provides a carefully sequenced progression of knowledge and skills from EYFS to Year 6.

The curriculum is organised into key strands that are revisited and built upon throughout a child's primary education:

- Computing systems and networks
- Programming
- Creating media
- Data and information
- Digital literacy and online safety

Teachers:

- Deliver weekly Computing lessons that follow the Teach Computing units of work.
- Use high-quality modelling and demonstration to develop pupils' understanding.
- Encourage children to explore, investigate and solve problems independently and collaboratively.
- Explicitly teach computing vocabulary to support understanding and communication.
- Build upon prior learning through regular retrieval and revisiting of key concepts.
- Provide opportunities for practical application using a range of digital devices and software.
- Adapt lessons to ensure all pupils can access and achieve within the curriculum.

Online safety is embedded throughout the curriculum and reinforced through dedicated lessons, assemblies and wider curriculum opportunities. Pupils learn how to stay safe online, protect their personal information, identify risks and report concerns appropriately.

Our Catholic ethos supports this learning by encouraging children to consider how their actions online reflect Gospel values and how technology can be used responsibly to serve others and build positive communities.

Assessment is ongoing through:

- Observation of practical tasks
- Questioning and discussion
- Retrieval activities
- End-of-unit assessments
- Evidence saved digitally where appropriate
- Pupil self-assessment and reflection

Impact

By the time pupils leave St Mark's Catholic Primary School, they will:

- Be confident, responsible and safe users of technology.
- Demonstrate secure knowledge of the Computing National Curriculum.

- Apply computational thinking skills to solve problems independently.
- Create, design and evaluate digital content effectively.
- Understand how computer systems and networks operate.
- Use technology purposefully across a range of contexts.
- Communicate appropriately and safely in digital environments.
- Recognise risks online and know how to respond to them.
- Show resilience, creativity and independence when facing technological challenges.
- Understand how Catholic values can guide their behaviour and decisions in the digital world.

The impact of the curriculum is evidenced through:

- Confident pupil discussion and demonstration of learning.
- High-quality outcomes produced through digital technologies.
- Progression in knowledge and skills across year groups.
- Positive attitudes towards Computing and technology.
- Safe and responsible online behaviours.
- Assessment outcomes, pupil voice, lesson observations and work scrutiny.

As a result, pupils leave our school as digitally literate, informed and responsible individuals who are well prepared for secondary education and able to use technology positively, ethically and confidently in an ever-changing world.