



Computing

Our TRUST Curriculum Principles

A Kaleidoscope Schools curriculum has been designed to enable children to develop wide knowledge/ skills and become well rounded and confident individuals who are curious and want to learn. Schools design and develop their own curriculums but encapsulate the following which are linked to the Kaleidoscope 5C's.





Intent

St Martin's & Worle Village's Computing Curriculum aims to equip pupils with the skills and knowledge to thrive in an increasingly digital world. We strive to foster computational thinking and creativity, enabling students to understand and change the world around them. Our curriculum is designed to:

- **Develop Fundamental Principles:** Ensure pupils understand and apply the core concepts of computer science, including abstraction, logic, algorithms, and data representation.
- **Enhance Problem-Solving Skills:** Encourage pupils to analyse problems in computational terms and gain practical experience in writing computer programs to solve these problems.
- **Promote Digital Literacy:** Equip pupils to use information technology effectively, creatively, and responsibly, preparing them for the future workplace and active participation in a digital society.
- **Ensure Safe and Respectful Use:** Teach pupils to use technology safely and respectfully, understanding the importance of keeping personal information private and knowing where to seek help for online concerns.

By the end of each key stage, pupils will be confident, competent, and creative users of information and communication technology, ready to tackle the challenges of the digital age

Implementation

Project Evolve (E Safety) and Teach Computing Scheme

Impact

Assessment sheets



Computing National Curriculum Milestones (Trust Milestones)

Key Theme	Reception	KS1 (Y1–Y2)	KS2 (Y3–Y4)	KS2 (Y5–Y6)
Algorithms and Programming		To Understand algorithms Be able to Create and debug programmes	Using algorithms Designing and debugging programmes Using Programming constructs	Explaining algorithms
Digital Literacy and content		To reason logically	Combining digital content	Creating media
Information Technology and Networks		Recognise the many uses of IT	Understanding computer networks Using Search Technologies	Explain computer networks
Safety and Responsibility		Use technology purposefully	To use technology safely and respectfully	Safe and respectful use