



Computing

Curriculum Coverage					
Upper KS2	Cycle A	Online Safety	Data Handling Mars Rover	Programming Sonic Pi	Stop Motion Animation: using cameras
	Cycle B	Online Safety	Computing Systems & Network: Search Engine	Programming: Intro to Python	Data Handling Big Data
Lower KS2	Cycle A	Online Safety	Using Powerpoint	Programming: Computational Thinking	Website Design
	Cycle B	Online Safety	Comparison Cards Databases	Programming Scratch Animation	Video Trailers iPads
KS1	Cycle A	Online Safety	Digital Imagery	Programming BeeBots	Stop Motion: iPads
	Cycle B	Online Safety	Improving Word Processing	Algorithms and Debugging	Introduction to Data

Intent

Through computing, we strive to open children's eyes to the developing digital world we live in through using a wide range of technology. We aim to give life skills that will enable our pupils to embrace and utilise technology in a socially responsible and safe manner. We aim to develop the digital literacy of our pupils, giving them the confidence to use and express their ideas as responsible digital citizens. A high-quality computing curriculum equips children to use computational thinking and the ability to innovate so they can understand and adapt to a changing world.

Implementation

The planning of each unit has been rooted in the three key concepts of: Computer Science, Information Technology and Digital literacy. Due to our mixed year groups, we operate on a two-year rolling programme. Each cycle is sequenced so that it builds upon prior learning. Planning provides units of work which enable pupils to have a sound understanding of keeping safe online as well as equipping pupils with the technological skills to be successful in the future.

Impact

Pupil voice shows a high standard of Computing teaching in school. Pupils are able to talk enthusiastically about Computing and online safety using technical language and vocabulary. They can make links and connections to what they have been taught previously. They understand their place within the technological world and are aware of contemporary issues such as online safety.