Computing Intent and Overview

Digital literacy, information technology and computer science are at the heart of our computing curriculum. These fundamental pillars enable all children to become autonomous, independent users of modern technologies, behaving with the utmost respect, tolerance and confidence including keeping themselves safe. Our curriculum is based around the essential knowledge that there is always a choice. We want our children to feel inspired and to apply their skills and understanding in order to utilise positive experiences and opportunities; we strive for our children to become creators of content in the 21st century, including the world of robotics, coding and application development.

Throughout our curriculum here at Maple Tree Primary School (MTPS), we embed our lessons with opportunities to develop creativity, resilience, problem solving and critical thinking skills. This is what drives our children to become the digitally literate citizens that will shape the future of our world. Through a range of visits, trips and clubs, we aim to develop their understanding of themselves as members of a wider digital community.

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception	Children in Reception explore computing through an Interest centre, exploring a range of technologies and becoming familiar with how to use them safely. Learning is also tailored towards computing through child-led learning. Children will leave reception with the basic understanding of key concepts in computing.					
Year 1	Word processing skills	Computer skills	Painting	Programming toys	Scratch Junior programming	Using and applying Project based
Year 2	Preparing for Turtle Logo	Computer art	Programming turtle logo and scratch	Presentation skills	Using the internet	Using and applying Project based
Year 3	Programming turtle logo and scratch	Word processing	Drawing and Desktop Publishing	Internet Research and Communication	Presentation skills	Online Safety
Year 4	Scratch – questions and quizzes	Programming – Turtle Logo	Word processing	Animation	Presentation skills	Online Safety
Year 5	Scratch: Developing Games	Flowol	Radio Station	Online Safety	3D Modelling: Sketch Up	Using and applying Project based
Year 6	Scratch: Animated stories	Spreadsheets	Kodu programming	Online Safety	Film making	Using and applying Project based

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