



# Computing Long Term Plan

Revised 2024/ 2025

## Intent:

- *We want our pupils to be able to keep themselves and others safe in the Online world and to be confident in dealing with situations which may arise;*
- *We want our pupils to be able to connect with the world in a varied way and be socially responsible within the wider community;*
- *We want our pupils to evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems;*
- *We want our pupils to analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems;*
- **We want our pupils to see the job opportunities available to them in the world of computing.**

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>EYFS Nursery</b>	Plays with computers and iPads	Can use a range of electronic toys within Nursery setting.	Explores touchscreen computers and iPads under supervision	Explores cause and effect between pressing instruction button and screen change, character reaction etc.	Use apps to explore counting and phonic skills	Explores touchscreen computers and iPads under supervision
	Plays with a range of materials to learn cause and effect.	Knows how to operate simple equipment	Shows an interest in technological toys eg cameras and touchscreen devices	Any from before	All areas to be explored	Knows that information can be retrieved from digital devices and the Internet
<b>EYFS Reception</b>	Computing systems and networks		Programming	Computing systems and networks	Data Handling	
	Using a computer		All about instructions	Exploring hardware	Introduction to data	

<b>1</b>	Computing systems and networks		Programming 1	Creating Media	Programming 2	Online Safety
	Improving mouse skills		Algorithms unplugged			
<b>2</b>	Computing systems and networks		Programming 1	Data Handling	Programming 2	Online Safety
	What is a computer?		Algorithms and debugging	International Space Station	Scratch Jr	
<b>3</b>	Computing systems and networks		Computing systems and networks 3	Creating Media	Programming	Online Safety
	Networks		Journey inside a computer	Video trailers	Scratch	
<b>4</b>	Computing systems and networks		Programming	Data handling	Programming 2	Online Safety
	Collaborative Learning		Further Coding	Investigating weather	Computational Thinking	
<b>5</b>	Computing systems and networks		Data Handling	Creating Media	Programming	Online Safety
	Search Engines		Mars Rover 1	Stop Motion Animation	Programing music	
<b>6</b>	Computing systems and networks		Data Handling	Creating Media	Programming	Online Safety
	Bletchley Park		Big data 1	History of Computers	Intro to Python	