

# Computing

## Curriculum Map

[See computing progression map for detailed outcomes](#)

### EYFS

<b>Nursery</b>	Communicating - taking photos E-Safety - Self Image / Identity E-Safety - Health Wellbeing and Lifestyle	Programs - Operate and Use E-Safety - Online Bullying E-Safety - Online Relationship	Algorithms and Programs - remote control toys E-Safety - Online Reputation	Algorithms and Programs - remote control toys E-Safety - Privacy and Security	Creating Media E-Safety - Managing Online Information	Creating Media E-Safety - Copyright and Ownership
<b>Reception</b>	Communicating - taking photos / E Safety - self-image and identity / E safety - Healthy wellbeing and lifestyle	Programs - Operate and Use E-Safety - Online Bullying E-Safety - Online Relationship	Algorithms and Programs - Bee Bots E-Safety - Online Reputation	Algorithms and Programs - Bee Bots E-Safety - Privacy and Security	Creating Media E-Safety - Managing Online Information	Creating Media E-Safety - Copyright and Ownership

### KS1

<b>Year 1</b>	Algorithms and Programs		Data Retrieving and Organising		Communicating	
	Giving sets of instructions	Creating a Bee-Bot journey	Creating and printing images	Entering information into graphs	Writing email addresses	Writing on a keyboard (Typing)
<b>Year 2</b>	Algorithms and Programs		Data Retrieving and Organising		Communicating	
	Creating and predicting outcomes of an algorithm	Writing a simple program	Locating information on websites	Creating a slideshow	Sending and replying to messages	Creating and editing documents

### Lower KS2

<b>Year 3</b>	Algorithms and Programs	Data Retrieving and Organising	Communicating	Using the Internet	Databases	Presentation
	(Block Coding)	Creating, editing and manipulating photos	Opening and sending attachments	Research and notetaking skills	Inputting and using databases	Creating an interesting presentation that uses text, images and sounds
<b>Year 4</b>	Algorithms and Programs	Data Retrieving and Organising	Communicating	Using the Internet	Databases	Presentation
	(Block Coding)	Creating, editing, managing and manipulating photo/documents	Using spell checkers and sending messages	Research, information handling and online documents	Inputting, sorting, and creating charts in databases	Creating an interesting presentation of length that uses text, images and sounds

### Upper KS2

<b>Year 5</b>	Algorithms and Programs	Data Retrieving and Organising	Communicating	Using the Internet	Databases	Presentation
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	(Block Coding)	Creating audio and film files for entertainment	Instant messaging (G-Chat) and video chatting	Search engines, research and document downloading	Formulas, searching, fields, rows, columns and multi use graphs	Using a range of presentation tools including short films and everything before
Year 6	Algorithms and Programs	Data Retrieving and Organising	Communicating	Using the Internet	Databases	Presentation
	(Block Coding - Extension to JAVA)	Editing graphics (adobe) for a good effect	Organising a video chat with people	Contributing to online discussions and improving search engine results	Collecting live data and check for patterns and sequences - Creating formulae for their own database	Presenting a film for an audience. Formatting documents/presentations for an audience