



Curriculum overview for parents and carers

Computing 2026/27

A summary of key Computing learning for Reception to Year 6.

EYFS (Reception)			
	Computing systems and networks		Programming
Autumn	Using a computer Investigating the main parts of a computer and learning how the keyboard and mouse are used to control it. Pupils also practise how to log in, log out and navigate simple digital tasks independently.	Spring	All about instructions Developing an understanding of how to receive and give instructions while learning why instructions need to be clear and precise.
Summer	Computing systems and networks Exploring hardware Investigating different computer hardware parts and learning how to operate a camera.		

Year 1			
Autumn	Computing systems and networks	Spring	Programming
	Using computers 1 Exploring different types of computers, their common parts and how they are used in everyday life. Pupils learn to log in, use software, create and save digital work, and develop their understanding of how digital devices connect and share information over the internet.		Bee-Bots Exploring commands, instructions and errors through programming a Bee-Bot and learning how sequences control movement. Pupils practise debugging and apply logical thinking to predict, test and improve simple programs.
Summer	Data handling		
	[Unit title] Coming soon Exploring data by collecting, organising and presenting information using digital tools. Pupils learn how to group data, create simple digital charts and pictograms and evaluate how effectively information has been represented and communicated.		

	Year 2		
Autumn	Computing systems and networks	Spring	Programming
	Using computers 2 Exploring how computers use inputs, programs and outputs to make things happen. Pupils identify common input and output devices, recognise computers in everyday life, learn how to log in and out safely and save and organise files.		MakeCode Exploring how to use the MakeCode programming platform by investigating what different blocks do and how they control outcomes. Pupils apply their understanding by planning, building and testing their own program.
Summer	Creating media	Online safety unit	Online safety
	[Unit title] Coming soon Creating digital content for a specific purpose and audience by combining text and images effectively. Pupils learn how layout, size and colour can improve communication, organise content on a page and develop their editing skills by reviewing and improving their work.		[Unit title] Coming soon Learning how to stay safe online by understanding online accounts, passwords and personal information. Pupils learn to behave responsibly online, recognise potential risks and respond safely to unfamiliar messages by reporting concerns to a trusted adult.

Year 3			
Autumn	Programming	Spring	Computing systems and networks
	Scratch Investigating programming through Scratch by creating animations and learning key coding concepts. Pupils apply their understanding by testing, debugging and evaluating their work to improve and refine digital projects.		Connecting devices Understanding computer systems by exploring how different components and peripherals work together. Pupils learn how devices connect using ports and wireless technology, select appropriate hardware for different purposes and recognise the roles of different parts within a computer system.
Summer	Data handling		
	[Unit title] Coming soon Exploring how branching databases organise and classify information using yes/no questions. Pupils plan, create and test their own digital branching databases and evaluate how effectively they identify and classify information.		

	Year 4		
	Programming		Computing systems and networks
Autumn	Further coding with Scratch Designing and programming a game using variables, sensors and 'if' statements to control outcomes and interactions. Pupils debug and evaluate their projects to improve functionality, refine gameplay and develop more effective game designs.	Spring	Connecting networks Recognising how digital devices connect to form networks, allowing people to share information and communicate. Pupils explore how websites work, how data is transferred across the internet and how search engines help users find information.
	Creating media		Online safety
Summer	[Unit title] Coming soon Editing digital images by capturing, enhancing and modifying photographs using a range of digital tools, including simple AI features. Pupils learn how images can be improved for a purpose and explore how automated tools can support the editing process.	Online safety unit	[Unit title] Coming soon Developing online safety by learning how people connect through online platforms and games. Pupils learn to recognise unacceptable behaviour, understand the risks of communicating with strangers and know how to respond to problems and seek help from a trusted adult.

Year 5			
Autumn	Programming	Spring	Computing systems and networks
	BBC Micro:bit Investigating how to program the BBC micro:bit by creating interactive projects using sensors, variables and conditional statements. Pupils experiment with variables, apply conditional statements and develop an understanding of how coding brings digital devices to life.		Websites, search and storage Exploring how search engines find and rank information and how websites are accessed across a network. Pupils learn how user requests are sent to servers, how results are returned and why some search results appear higher than others.
Summer	Data handling		
	[Unit title] Coming soon Using spreadsheets to organise, analyse and present data. Pupils learn how to enter and format information, use simple formulas and create charts, before evaluating how effectively spreadsheets can answer questions and solve real-world problems.		

	Year 6		
Autumn	Programming	Spring	Computing systems and networks
	Exploring Python Investigating text-based programming using Python. Pupils compare Python with block-based code, learn the importance of syntax and indentation, use nested loops to create patterns and debug syntax and logic errors using a systematic approach.		[Unit title] Coming soon Developing an understanding of computer systems by exploring how hardware, storage and security work together. Pupils use peripherals to achieve specific goals, troubleshoot problems, compare different storage methods and learn why connected systems need protection.
Summer	Creating media	Online safety unit	Online safety
	[Unit title] Coming soon Bringing together creating media skills developed throughout primary school, pupils plan and create a multimedia project. They combine text, images, audio and video to communicate information for a specific audience, evaluating and refining their work to improve its effectiveness.		[Unit title] Coming soon Learning about social media and online platforms by examining how content is shared and viewed online. Pupils consider how online identities are shaped, recognise online risks and learn how to use tools such as block, mute and report to stay safe.