



COMPUTING CURRICULUM MAP

Online-safety, is taught across all year groups throughout the year (at least one lesson per half term). We also recap and revisit e-safety information focusing on times where children are more likely to use online devices (e.g. Christmas), and celebrate Online Safety Week. Please see online safety overview document for further information.

Each year group will also have a STEM career focus, which they will explore throughout the year. The children will find out about the job role, research the skills and qualifications needed and have a taster into an activity linked to the career. See careers focus for each year group below.

EYFS

Brief overview of computing coverage in EYFS:

EYFS areas covered: Personal Social and Emotional, Physical Development, Understanding the World, Expressive Arts and Design

Computing in the early years can be taught through continuous and enhanced provision which can be accessed during the children’s explorative play. Within the continuous provision the children have access to various computing resources such as a reading boxes, headphones and recordable microphones. The children also have technology through resources such as keyboards, sound controls, cause and effect equipment in the role play area and investigation areas. The children are encouraged to explore their own ideas and staff will model and support where needed; demonstrating techniques and resources such as using and problem solving on the iPads, interactive whiteboards and Beebots. Some activities relating to a theme or skill may be introduced during a small group session, where by later the children are encouraged to further explore independently during child-initiated time whilst demonstrating the characteristics. EYFS use an online home-school journal to gather a range of experiences the children have in their daily lives at home. The children use computers, tablets, cameras and videos, both in school and at home, to link up with this system and record evidence or processes to share with their teachers, peers and parents. The children also have access to the school computing suite and the Reception children access the computers as part of their transition into year 1 when they are supported to log in, using their personal username and password. This all ensures our EYFS children are KS1 ready and are able to start the curriculum as they move to Y1.

All children in the EYFS take part in online safety discussions and have visits from our KS2 digital leaders to help them to learn about internet and online safety as well as visits, links and online resources from NSPCC.

 	Autumn 1 Computer Systems and Networks	Autumn 2 Creating Media	Spring 1 Programming A	Spring 2 Data and Information	Summer 1 Creating Media	Summer 2 Programming B
YR1 Career focus: Mobile Applications Developer	Technology Around Us (1x online safety lesson)	Digital Painting (1x online safety lesson)	Moving a Robot (1x online safety lesson)	Grouping Data (1x online safety lesson)	Digital Writing (1x online safety lesson)	Programming Animations (1x online safety lesson)
YR2 Career focus: Graphic Designer	IT Around Us (1x online safety lesson)	Digital Photography (1x online safety lesson)	Robot Algorithms (1x online safety lesson)	Pictograms (1x online safety lesson)	Digital Music (1x online safety lesson)	Programming Quizzes (1x online safety lesson)
YR3 Career focus: Environmental Engineer	Connecting Computers (1x online safety lesson)	Stop-Frame Animation (1x online safety lesson)	Sequencing Sounds (1x online safety lesson)	Branching Database (1x online safety lesson)	Desktop Publishing (1x online safety lesson)	Events and Actions in Programs (1x online safety lesson)
YR4 Career focus: Video Game Designer	The Internet (1x online safety lesson)	Audio Production (1x online safety lesson)	Repetition in Shapes (1x online safety lesson)	Data Logging (1x online safety lesson)	Photo Editing (1x online safety lesson)	Repetition in Games (1x online safety lesson)
YR5 Career focus: Architect	Systems and Searching (1x online safety lesson)	Video Production (1x online safety lesson)	Selection in Physical Computing (1x online safety lesson)	Flat File Databases (1x online safety lesson)	Introduction to Vector Graphics (1x online safety lesson)	Selection in Quizzes (1x online safety lesson)
YR6 Career focus: Computer Programmer	Communication and Collaboration (1x online safety lesson)	Web Page Creation (1x online safety lesson)	Variables in Games (1x online safety lesson)	Spreadsheets (1x online safety lesson)	3D Modelling (1x online safety lesson)	Sensing Movement (1x online safety lesson)