



Computing Overview - PPS



| | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|-----------------------|---|---|--|---|---|--|
| EYFS Nursery | Online Safety Coding – Grouping, sorting | Cause and effect toys Technology in our lives - devices we use | Online Safety Coding - Sequencing Events | Technology in Our Lives - devices we use | Coding – Pattern | Information Technology |
| EYFS Reception | Online Safety – seek help from a trusted adult Coding – Grouping, sorting | Coding – pattern, sequences, logical thinking Technology in our lives - devices we use | Online Safety Coding – pattern, sequences, logical thinking | Technology in our lives - devices we use Coding – pattern, sequences, logical thinking | Information Technology | Information Technology |
| Year 1 | Online Safety –tell a trusted adult, introduction to sharing photos | Coding – sequences of instructions in a range of contexts including programmable robot toys and J2Code | Coding – introduction to onscreen block coding using Scratch Jr | Technology in Our Lives – parts of a computer | Information Technology – digital writing | Information Technology - digital painting |
| Year 2 | Online Safety – introduction to digital footprints, people met online are strangers | Coding – introduction to algorithms through the creation of logical sequences of instructions in physical situations | Coding – introduction to sequence and selection using Scratch Jr | Technology in Our Lives – uses and features of IT within and beyond school | Information Technology – creating slides | Data Handling – creating digital music |
| Year 3 | Online Safety – introduction to strategies for safe and reliable use of online communication and information | Coding – sequencing in programming in Scratch using sounds | Coding – sequencing in programming in Scratch using events and actions in a maze game | Technology in Our Lives – computing systems and networks | Information Technology – stop frame animation | Data Handling – branching databases |
| Year 4 | Online Safety – identifying and addressing unacceptable behaviour online, and behaving respectfully | Coding – programming repetition in shapes in Logo and Scratch | Coding – selection in programming in Scratch to create quiz | Technology in Our Lives – the internet and World Wide Web | Information Technology – development of word processing skills | Information Technology – photo editing |
| Year 5 | Online Safety – strategies for being discerning about digital content and communication, issues related to smart phones | Coding – physical programming using Crumble microcontrollers including sequence, selection and repetition to control lights, motors and sound, and to create a working model | | Technology in Our Lives – sharing information on computing systems and networks | Information Technology – using slides to create a selection game | Data Handling – introduction to spreadsheets |
| Year 6 | Online Safety – using social media safely, cyberbullying and issues related to plagiarism | Coding – creating games using sequence, selection and repetition in Scratch including decomposition of tasks, creating sprites and use of variables | | Technology in Our Lives - collaboration/communicat ion on computing systems and networks | Information Technology – webpage design to showcase computing skills and the creation of digital content | |



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