

Computing Long Term Plan



| Computing Long Term Plan |
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|  |  Unit 1 | Unit 2 | Unit 3 | Unit 4 | Unit 5 |
| EYFS | Year A + B | Computing systems and networksUsing a computer(All 5 lessons) | Programming 1All about instructions(All 5 lessons) | Programming 2Exploring hardware(4 lessons: 1-4 only) | Data handlingIntroduction to data(4 lessons: 1-4 only) | N/A |
| Key Stage 1 | Year A | Computing systems and networksImproving mouse skills(3 lessons: 1-3 only) | Programming 1Algorithms unplugged (4 lessons: 1, 2 , 4 and 5 only) | Creating mediaDigital imagery (Option 1: Google) (Option 2: Microsoft Office 365) (3 lessons: 1-3 only) | Programming 2Bee-bot (Option 1: Bee-Bot) (Option 2: Virtual Bee-Bot) (4 lessons: 1, 3, 4 and 5 only) | Online safetyOnline safety Y1 (All 4 lessons) |
| Year B | Computing systems and networks 1What is a computer? (3 lessons: 1, 2 and 5 only | Programming 1Algorithms and debugging (4 lessons: 1, 2, 4 and 5 only) | Data HandlingInternational Space Station (3 lessons: 1, 3 and 5 only) | Programming 2ScratchJr (4 lessons: 1, 2, 4 and 5 only | Online safetyOnline safety Y2 (4 lessons: Teach all five by combining lessons 3 and 4) |

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| Lower Key Stage 2 | Year A | Computing systems and networks 1Networks and the internet (Option 1: Google) (Option 2: Microsoft Office 365) (3 lessons: 1, 3 and 5 only) | Computing systems and networks 3Journey inside a computer (3 lessons: 1, 2 and 5 only) | Creating mediaVideo trailers(Using devices other than iPads)  (4 lessons: 1-4 only) | ProgrammingProgramming: Scratch (4 lessons: 1, 2, 3 and 5 only) | Online safetyOnline safety Y3 (All 4 lessons) |
| Year B | Computing systems and networksCollaborative learning (Option 1: Google) (Option 2: Microsoft Office 365) (4 lessons: 1, 3, 4 and 5) | Programming 1Further coding with Scratch (Option 1: Google) (Option 2: Microsoft Office 365) (3 lessons: 2-4 only) | Data HandlingInvestigating weather (Option 1: Google) (Option 2: Microsoft Office 365) (3 lessons: 1, 3, 4 and 5) | Programming 2Computational thinking (4 lessons: 1-4 only) | Online safetyOnline safety Y4 (4 lessons: 1, 2, 3 and 5) |
| Upper Key Stage 2 | Year A | Computing systems and networksSearch engines (Option 1: Google) (Option 2: Microsoft Office 365) (4 lessons: 1-4) | Data HandlingMars Rover 1 (3 lessons: 1, 2 and 4) | Creating mediaStop motion animation (Option 1: Stop Motion Studio) (Option 2: with cameras) (4 lessons: 1-4) | ProgrammingProgramming music (Option 1: Sonic Pi) (Option 2: Scratch) (4 lessons: 1-4) | Online safetyOnline safety Y5 (3 lessons: 1, 4 and 5) |
| Year B | Computing systems and networksBletchley Park (Option 1: Google) (Option 2: Microsoft Office 365) (3 lessons: 1-3) | Data HandlingBig data 1 (4 lessons: 1, 3, 4 and 5) | Creating mediaHistory of Computers (3 lessons: 3-5) | ProgrammingIntro to Python (4 lessons: 1-4) | Online safetyOnline safety Y6 (4 lessons: 1, 2, 4 and 6) |