

Computing Long Term Plan



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

| Computing Long Term Plan | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
|  | | Unit 1 | Unit 2 | Unit 3 | Unit 4 | Unit 5 |
| Lower Key Stage 2 | Year A | Computing systems and networks 1  Networks and the internet  (Option 1: Google) (Option 2: Microsoft Office 365)  (3 lessons: 1, 3 and 5 only) | Computing systems and networks 3  Journey inside a computer  (3 lessons: 1, 2 and 5 only) | Creating media  Video trailers  (Using devices other than iPads)  (4 lessons: 1-4 only) | Programming  Programming: Scratch  (4 lessons: 1, 2, 3 and 5 only) | Online safety  Online safety Y3  (All 4 lessons) |
| Year B | Computing systems and networks  Collaborative learning (Option 1: Google) (Option 2: Microsoft Office 365)  (4 lessons: 1, 3, 4 and 5) | Programming 1  Further coding with Scratch  (Option 1: Google) (Option 2: Microsoft Office 365)  (3 lessons: 2-4 only) | Data Handling  Investigating weather (Option 1: Google) (Option 2: Microsoft Office 365)  (3 lessons: 1, 3, 4 and 5) | Programming 2  Computational thinking  (4 lessons: 1-4 only) | Online safety  Online safety Y4  (4 lessons: 1, 2, 3 and 5) |
| Upper Key Stage 2 | Year A | Computing systems and networks  Search engines  (Option 1: Google) (Option 2: Microsoft Office 365)  (4 lessons: 1-4) | Data Handling  Mars Rover 1  (3 lessons: 1, 2 and 4) | Creating media  Stop motion animation (Option 1: Stop Motion Studio)  (Option 2: with cameras)  (4 lessons: 1-4) | Programming  Programming music (Option 1: Sonic Pi) (Option 2: Scratch)  (4 lessons: 1-4) | Online safety  Online safety Y5  (3 lessons: 1, 4 and 5) |
| Year B | Computing systems and networks  Bletchley Park (Option 1: Google) (Option 2: Microsoft Office 365)  (3 lessons: 1-3) | Data Handling  Big data 1  (4 lessons: 1, 3, 4 and 5) | Creating media  History of Computers  (3 lessons: 3-5) | Programming  Intro to Python  (4 lessons: 1-4) | Online safety  Online safety Y6  (4 lessons: 1, 2, 4 and 6) |