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| **Computing** | **Topic 1** | **Topic 2** | **Topic 3** | **Topic 4** | **Topic 5** | **Topic 6** |  |
| EYFS | Continuous provision including IT | Using a computer | All About Instructions | Exploring hardware | Programming Bee-Bots | Introduction to data |  |
| Year 1 | Improving mouse skills(5 Lessons) | Algorithms unplugged(5 Lessons) | Rocket to the moon(5 Lessons) | Programming Bee-Bots(5 Lessons) | Digital Imagery(5 Lessons) | Introduction toData (5 Lessons) | Online Safety(4 Lessons) |
| Year 2 | What is a computer?(5 Lessons) | Algorithms and Debugging(5 Lessons) | Word Processing(5 Lessons) | Scratch Jr (5 Lessons) | Stop Motion(5 Lessons) | International Space Station(5 Lessons) | Online Safety(5 Lessons |
| Year 3 | Network and the internet (5 Lessons) | Scratch (5 Lessons) | Emailing(5 Lessons | Journey inside a computer(5 Lessons) | Video Trailers(5 Lessons) | Comparison CardsDatabase (5 Lessons) | Online Safety(4 Lessons |
| Year 4 | Collborative Learning(5 Lessons) | Further Coding with Scratch(5 Lessons) | Website Design(5 Lessons) | HTML(5 Lessons) | ComputationalThinking(5 Lessons) | Investigating Weather(5 Lessons) | Online Safety(6 Lessons |
| Year 5 | Search Engines(5 Lessons) | Programming Music(5 Lessons) | Mars Rover 1(5 Lessons) | Micro-bit(5 Lessons) | Stop Motion(5 Lessons) | Mars Rover2(5 Lessons) | Online Safety(5 Lessons |
| Year 6 | Bletchley Park(5 Lessons) | Intro to Python (5 Lessons) | Big Data 1(5 Lessons) | History of Computers | Big Data 2(5 Lessons) | Investigating Product(6Lessons) | Online Safety(6 Lessons) |

We need to keep online safety… ( Could be taught as a block in a week, topic or one lesson per topic).

Consider which unit of either computing sytems and networks or programming could be dropped

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| **Computing****Condensed** | **Topic 1** | **Topic 2** | **Topic 3** | **Topic 4** | **Topic 5** |
| EYFS | Using a computer(5 Lessons) | All about instructions(5 Lessons) | Exploring hardware(4Lessons) | Introduction to data | N/A |
| Year 1 | Improving mouse skills(3 Lessons 1-3 only) | Algorithms unplugged(4 Lessons:1,2,4&5) | Digital Imagery(3 Lessons: 1-3) | Programming Bee-Bots(4 Lessons:1,3,4&5) | Online Safety(4 Lessons) |
| Year 2 | What is a computer?(3 Lessons, 1,2&5) | Algorithms and Debugging(4 Lessons1,24&5) | International Space Station(3 Lessons: 1,3,5) | Scratch Jr (4 Lessons:1,2,4&5) | Online Safety(5 Lessons |
| Year 3 | Network and the internet(3 Lessons:1,3,5) | Journey inside a computer(3 Lessons:1,2&5) | Video Trailers(4 Lessons: 1-4) | Programming Scratch(5 Lessons: 1,2, 3&5) | Online Safety(4 Lessons |
| Year 4 | Collaborative Learning(4Lessons: 1,3,4 and 5) | Further Coding with Scratch(3 Lessons:2-4) | Investigating Weather(4 Lessons: 1,3,4 &5) | ComputationalThinking(4 Lessons: 1-4) | Online Safety(4 Lessons:1,2,3&5) |
| Year 5 | Search Engines(4 Lessons: 1-4) | Mars Rover 1(5 Lessons) | Stop Motion(4 lessons:1-4) | Programming Music(4 Lessons:1-4) | Online Safety(3 Lessons:1,4&5) |
| Year 6 | Bletchley Park(3 Lessons: 1-3 | Big Data 1(4 Lessons:1,3,4&5) | History of Computers(3 Lessons:3-5) | Intro to Python(4 Lessons:1-4)) | Online Safety(4 Lessons: 1,2,4&6) |

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| **Ratby** **Plan** | Topic 1 | Topic 2 | Topic 3 | Topic 4 | Topic 5 |
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| Year 1 |  |  |  |  |  |
| Year 2 |  |  |  |  |  |
| Year 3 |  |  |  |  |  |
| Year 4 |  |  |  |  |  |
| Year 5 |  |  |  |  |  |
| Year 6 |  |  |  |  |  |

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| Computing systems and Networks | Programming | Skills Showcase | Creating Media | Data Handling | Online Safety |