|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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 to  Data (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 Cards  Database  (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) | Computational  Thinking  (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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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) | Computational  Thinking  (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) |

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

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