**Cycle A Design and Technology Topic Coverage (September 2021)**

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| **Reception/Year 1** | **Year 2** | **Year 3/Year 4** | **Year 4/Year 5** | **Year 5/Year 6** |
| Exploring Hardware (Year R) | What is a Computer? | Emailing (Yr 3 topic) | Collaborative Learning (Yr 4 topic) | Online Safety (Yr 5 topic) |
| All About Instructions (Year R) | What is a Computer? | Journey Inside a Computer (Yr 3 topic) | Further Coding with Scratch (Yr 4 topic) | Micro:bit (Yr 5 topic) |
| Programming Beebots (Year R) | Word Processing | Top Trump Databases (Yr 3 topic) | Website Design (Yr 4 topic) | Search Engines (Yr 5 topic) |
| Introduction to data: Sorting and categorising (Year R) | Programming Scratch Jr | Digital Literacy (Yr 3 topic) | HTML (Yr 4 topic) | Sonic Pi (Yr 5 topic) |
| Using a Computer (Year R) | Algorithms and Debugging | Programming Scratch (Yr 3 topic) | Investigating Weather (Yr 4 topic) | Mars Rover 1 (Yr 5 topic) |
|  | International Space Station | Networks and the Internet (Yr 3 topic) | Computational Thinking (Year 4) | Mars Rover 2 (Yr 5 topic) |
|  | Stop Motion |  |  |  |

**Cycle B Design and Technology Topic Coverage (September 2022)**

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| **Reception/Year 1** | **Year 2** | **Year 3/Year 4** | **Year 4/Year 5** | **Year 5/Year 6** |
| Getting Started (Year 1) | What is a Computer? | Collaborative Learning (Yr 4 topic) | Online Safety (Yr 5 topic) | Bletchley Park (Yr 6 topic) |
| Programming Beebots (Year 1) | Word Processing | Further Coding with Scratch (Yr 4 topic) | Micro:bit (Yr 5 topic) | Intro to Python (Yr 6 topic) |
| Algorithms Unplugged (Year 1) | Programming Scratch Jr | Website Design (Yr 4 topic) | Search Engines (Yr 5 topic) | Big Data 1 (Yr 6 topic) |
| Digital Imagery (Year 1) | Algorithms and Debugging | HTML (Yr 4 topic) | Sonic Pi (Yr 5 topic) | Big Data 2 (Yr 6 topic) |
| Introduction to Data (Year 1) | International Space Station | Investigating Weather (Yr 4 topic) | Mars Rover 1 (Yr 5 topic) | Skills Showcase (Yr 6 topic) |
| Rocket to the Moon (Year 1) | Stop Motion | Computational Thinking (Year 4) | Mars Rover 2 (Yr 5 topic) |  |