



# Areas of Study, Long Term Plan

KEY STAGE 1. Cycle A 2024/2025 2026/2027. Cycle B 2025/2026 2027/2028.

| <i>Cycle A</i>                           |                       |                                |               | <i>Cycle B</i>                                                                                             |                       |                |
|------------------------------------------|-----------------------|--------------------------------|---------------|------------------------------------------------------------------------------------------------------------|-----------------------|----------------|
| Year 1/2                                 | Usual curriculum year | Key area                       |               | Year 1/2                                                                                                   | Usual curriculum year | Key area       |
| <a href="#">Improving mouse skills</a>   | Year 1                | Computing systems and networks | Autumn 1      | Bee-bots<br><a href="#">Option 1: Bee-Bots</a><br><a href="#">Option 2: Virtual Bee-bots</a>               | Year 1                | Programming    |
| <a href="#">Algorithms unplugged</a>     | Year 1                | Programming                    | Autumn 2      | <a href="#">Digital imagery</a>                                                                            | Year 1                | Creating media |
| <a href="#">Rocket to the moon</a>       | Year 1                | Skills showcase                | Spring 1      | <a href="#">Introduction to data</a>                                                                       | Year 1                | Data handling  |
| <a href="#">What is a computer?</a>      | Year 2                | Computing systems and networks | Spring 2      | Introduction to block coding<br><a href="#">Option 1: MakeCode</a><br><a href="#">Option 2: Scratch Jr</a> | Year 2                | Programming    |
| <a href="#">Algorithms and debugging</a> | Year 2                | Programming                    | Summer 1      | Stop motion<br><a href="#">Option 1: Using tablets</a><br><a href="#">Option 2: Using</a>                  | Year 2                | Creating media |
| <a href="#">Word processing</a>          | Year 2                | Computing systems and networks | Summer 2      | <a href="#">International space station</a>                                                                | Year 2                | Data handling  |
| <a href="#">Year 1</a>                   |                       |                                | Online safety | <a href="#">Year 2</a>                                                                                     |                       |                |



LOWER KEY STAGE 2. Cycle A 2024/2025 2026/2027. Cycle B 2025/2026 2027/2028.

| Cycle A                                                                                                                                 |                       |                                |               | Cycle B                                                                                                                                         |                       |                                |
|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------|
| Year 3/4                                                                                                                                | Usual curriculum year | Key area                       |               | Year 3/4                                                                                                                                        | Usual curriculum year | Key area                       |
| <a href="#">Emailing</a><br><a href="#">Option 1: Google</a><br><a href="#">Option 2: Microsoft</a><br><a href="#">Office 365</a>       | Year 3                | Computing systems and networks | Autumn 1      | <a href="#">Networks and the internet</a>                                                                                                       | Year 3                | Computing systems and networks |
| <a href="#">Programming: Scratch</a>                                                                                                    | Year 3                | Programming                    | Autumn 2      | <a href="#">Comparison cards</a><br><a href="#">databases</a>                                                                                   | Year 3                | Data handling                  |
| <a href="#">Video trailers</a><br><a href="#">Option 1: Using devices other than iPads.</a><br><a href="#">Option 2: Using iPads</a>    | Year 3                | Creating media                 | Spring 1      | <a href="#">Journey inside a computer</a>                                                                                                       | Year 3                | Computing systems and networks |
| <a href="#">Website design</a><br><a href="#">Option 1: Google</a><br><a href="#">Option 2: Microsoft</a><br><a href="#">Office 365</a> | Year 4                | Creating media                 | Spring 2      | <a href="#">Collaborative Learning</a><br><a href="#">Option 1: Google</a><br><a href="#">Option 2: Microsoft</a><br><a href="#">Office 365</a> | Year 4                | Computing systems and networks |
| <a href="#">Further coding with Scratch</a>                                                                                             | Year 4                | Programming                    | Summer 1      | <a href="#">Investigating weather</a>                                                                                                           | Year 4                | Data handling                  |
| <a href="#">Computational thinking</a>                                                                                                  | Year 4                | Programming                    | Summer 2      | <a href="#">HTML</a>                                                                                                                            | Year 4                | Skills showcase                |
| <a href="#">Year 3</a>                                                                                                                  |                       |                                | Online safety | <a href="#">Year 4</a>                                                                                                                          |                       |                                |



UPPER KEY STAGE 2. Cycle A 2024/2025 2026/2027. Cycle B 2025/2026 2027/2028

| Cycle A                                                     |                       |                                |               | Cycle B                                                                                                          |                       |                                |
|-------------------------------------------------------------|-----------------------|--------------------------------|---------------|------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------|
| Year 5/6                                                    | Usual curriculum year | Key area                       |               | Year 5/6                                                                                                         | Usual curriculum year | Key area                       |
| <a href="#">Micro:bit</a>                                   | Year 5                | Programming                    | Autumn 1      | <a href="#">Programming 1: Music</a>                                                                             | Year 5                | Programming                    |
| <a href="#">Mars Rover 1</a>                                | Year 5                | Data handling                  | Autumn 2      | Stop motion animation<br><a href="#">Option 1: Stop motion studio</a><br><a href="#">Option 2: Using cameras</a> | Year 5                | Creating media                 |
| <a href="#">Mars Rover 2</a>                                | Year 5                | Skills showcase                | Spring 1      | <a href="#">Search engines</a>                                                                                   | Year 5                | Computing systems and networks |
| <a href="#">Bletchley Park and the history of computers</a> | Year 6                | Computing systems and networks | Spring 2      | <a href="#">Big data 1</a>                                                                                       | Year 6                | Data handling                  |
| <a href="#">Exploring AI</a>                                | Year 6                | Computing systems and networks | Summer 1      | <a href="#">Big data 2</a>                                                                                       | Year 6                | Data handling                  |
| <a href="#">Inventing a product</a>                         | Year 6                | Skills showcase                | Summer 2      | <a href="#">Introduction To Python</a>                                                                           | Year 6                | Programming                    |
| <a href="#">Year 5</a>                                      |                       |                                | Online safety | <a href="#">Year 6</a>                                                                                           |                       |                                |