



Cuddington and Dinton Church of England School Computing Long Term Overview

| Class | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|------------|---|---|---------------------------------------|--|--|--|
| Foundation | Computing systems and networks: Using a computer (what is a computer and typing name) | Computing systems and networks: (Logging on and off and using keyboard/mouse) | Programming: All about instructions | Computing systems and networks 2: Exploring hardware | Programming: Bee-Bots | Online safety and health and wellbeing |
| | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| Year 1 | Online safety | Computing systems and networks: Improving mouse skills | Programming: Algorithms unplugged | Creating media: Digital imagery | Data handling: | Programming 2: Bee-Bot |
| | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| Year 2 | Online safety | Computing systems and networks 1: What is a computer? | Programming: Algorithms and debugging | Computing systems and networks: Word processing | Data handling: International Space Station | Programming: Scratch Jr. |
| | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| Year 3 | Computing systems and networks (internet and network) | Programming: Scratch | Data handling | Online safety | Creating media | Computing systems(Journey inside a computer) |



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| | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|--------|--|--------------------------------|--------------------------------------|--------------------------------------|---|--------------------------------------|
| Year 4 | Computing systems and networks: Collaborative) | Programming - Scratch | Data handling: Investigating weather | Online safety | Programming - Computational thinking | Creating media: Website design |
| | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| Year 5 | Stop motion animation | Online safety | Computing systems and networks | Programming 1: Music (using Scratch) | Data handling: Mars Rover 1 (binary code) | Skills show case: 3D design skills |
| | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| Year 6 | Inventing a product | Computing systems and networks | Online safety | Programming: Intro to Python | Data handling 1: Big Data 1 (barcodes codes and QR codes) | Creating media: History of computers |