

Computing Scheme Overview

| Year Grp | Information Technology | | | Computer Science | | |
|----------|--|---|---|---|---|---|
| | Multimedia (Communication) | Creativity (Communication) | Data Handling | Algorithms & Networks | Programming | Programming & Controlling |
| R | Teaching Unit RA Exploring Programs & Modelling Scenes <i>Online Safety SOW</i> | Teaching Unit RB Exploring Photographs and Audio <i>Online Safety SOW</i> | Teaching Unit RC Making Pictograms | Teaching Unit RD Introducing Algorithms | Teaching Unit RE Simple Instructions | Teaching Unit RF Exploring Devices and Toys |
| Y1 | Teaching Unit 1A Creating Pages <i>Online Safety SOW</i> | Teaching Unit 1B Animating Or Painting Pictures | Teaching Unit 1C Making Graphs | Teaching Unit 1D Building Algorithms | Teaching Unit 1E Creating Programs for Robots | Teaching Unit 1F Controlling Images <i>Online Safety SOW</i> |
| Y2 | Teaching Unit 2A Designing Documents <i>Online Safety SOW</i> | Teaching Unit 2B Becoming an Artist | Teaching Unit 2C Introducing Databases | Teaching Unit 2D Writing & Testing Algorithms | Teaching Unit 2E Programming Floor Robots | Teaching Unit 2F Controlling Onscreen Characters |
| Y3 | Teaching Unit 3A Communicating Online <i>Online Safety SOW</i> | Teaching Unit 3B Producing Digital Content (Music / Images) <i>Online Safety SOW</i> | Teaching Unit 3C Exploring Databases | Teaching Unit 3D Understanding Inputs & Outputs Devices | Teaching Unit 3E Repeating Forever LOGO to Scratch | Teaching Unit 3F Controlling Simulations and Characters |
| Y4 | Teaching Unit 4A Presenting & Sharing Online <i>Online Safety SOW</i> | Teaching Unit 4B Creating a Film <i>Online Safety SOW</i> | Teaching Unit 4C Introducing Spreadsheets | Teaching Unit 4D Sorting Algorithms + Networks | Teaching Unit 4E Developing Simple Games & Quizzes (Scratch) | Teaching Unit 4F Controlling on Screen Objects (Procedures) |
| Y5 | Teaching Unit 5A Advertising Using Media <i>Online Safety SOW</i> | Teaching Unit 5B Designing Graphics | Teaching Unit 5C Investigating Search Engines <i>Online Safety SOW</i> | Teaching Unit 5D Exploring School Networks and the Internet Network | Teaching Unit 5E Creating Games (Scratch) <i>Online Safety SOW</i> | Teaching Unit 5F Controlling Devices (Decisions Subroutines) Flowol |
| Y6 | Teaching Unit 6A Internet, Webpages, HTML <i>Online Safety SOW</i> | Teaching Unit 6B Lights, Camera Action! <i>Online Safety SOW</i> | Teaching Unit 6C Computer Models Modelling with Spreadsheets | Teaching Unit 6D Data and Information (Binary Code) Python Script | Teaching Unit 6E Game Design (Scratch & Kodu) <i>Online Safety SOW</i> | Teaching Unit 6F Programming & Controlling Devices Code Bugs / Crumbles |

Digital Literacy (See Online Safety Scheme of Work for full coverage)