Computing Curriculum Map 2021/22

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| Reception | Online Safety | Taking photos and videos | Coding - Using programmable toys | Coding - Using programmable toys | Exploring Mini Mash | Exploring Mini Mash |
| Year 1 | Unit 1.1 Online Safety & Exploring Purple Mash | Unit 1.3  Pictograms | Unit 1.5 Maze Explorers | Unit 1.7 Coding | Unit 1.8 Spreadsheets | Unit 1.9  Technology Outside School |
| Unit 1.2  Grouping and sorting | Unit 1.4  Lego builders | Unit 1.6 Animated Story Books |
| Year 2 | Unit 2.1 Coding | Unit 2.2 Online Safety | Unit 2.4  Questioning | Unit 2.5 Effective Searching | Unit 2.6 Creating Pictures | Unit 2.8 Presenting ideas |
| Unit 2.3 Spreadsheets | Unit 2.7 Making Music |
| Year 3 | Unit 3.1 Coding | Unit 3.2 Online Safety | Unit 3.4 Touch Typing | Unit 3.5 Email (including email safety) | Unit 3.6 Branching Databases | Unit 3.8 Graphing |
| Unit 3.3 Spreadsheets | Unit 3.7 Simulations | Unit 3.9 Presenting |
| Year 4 | Unit 4.1 Coding | Unit 4.2 Online Safety | Unit 4.4 Writing for different audiences | Unit 4.5 Logo | Unit 4.6 Animation | Unit 4.8 Hardware Investigators |
| Unit 4.3 Spreadsheets | Unit 4.7 Effective Search | Unit 4.9 Making Music |
| Year 5 | Unit 5.1 Coding | Unit 5.2 Online Safty | Unit 5.4 Databases | Unit 5.6 3D Modelling | Unit 5.7 Concept Maps | Unit 5.8 Word Processing |
| Unit 5.3 Spreadsheets | Unit 5.5 Game Creator |
| Year 6 | Unit 6.1 Coding | Unit 6.2 Online Safety | Unit 6.4 Blogging | Unit 6.6 Networks | Unit 6.8 Understanding Binary | Unit 6.9 Spreadsheets |
| Unit 6.3 Spreadsheets | Unit 6.5 Text Adventures | Unit 6.7 Quizzing |

Area of Computing:

* Digital Literacy: Children are taught to instinctively apply their digital skills to a range of technology, recognising the common uses of technology both inside and outside school.
* Computer Science: Children are taught to create, debug and follow simple algorithms; to understand inputs and outputs; to understand computer networks, including the Internet.
* Information Technology: Children are taught to use appropriate software to create, store, retrieve and manipulate digital content.