

Computing Overview

| | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|----------|---|--|--|--|---|--|
| EYFS | Exploring Computers (Purple Mash) To know how to use a mouse | Exploring Computers (Purple Mash) E-Safety – being safe and asking grown-ups for help | Different uses of technology – what do we use it for? E-Safety – Staying safe – who are we connected to? | Using the Beebots and using 2Go on Purple Mash Using the internet to find out more E-Safety – sharing respect and giving compliments | Using iPads to play a game Introduction to 2Type (using the keyboards). E-Safety – Smartie the Penguin | Using 2Type to write a message E-Safety – Smartie the Penguin |
| Year One | Unit 1.1 Online Safety and exploring Purple Mash Keeping personal information private Lesson 1 and 2 on plan | Unit 1.2 Grouping and Sorting Use technology to purposefully organize digital content Lesson 1 and 2 on plan Smartie the Penguin (E-Safety) Identify where to go for help and support when they have concerns about content or contact on the internet. | Unit 1.4 Lego Builders Understand what algorithms are Implement algorithms on digital devices Lesson 1, 2 and 3 on plan | Unit 1.5 Maze Explorers Use logical reasoning to predict the behaviour of simple programs (can predict where the turtle will end up). Use direction keys as part of an algorithm, create a longer algorithm for an activity, create and debug a set of instructions. Lesson 1 and 2 on plan | Unit 1.7 Coding Create a simple program that achieves a specific purpose Lesson 1, 2 and 3 on plan (this could go on into Summer 2) | Unit 1.9 Technology outside of school Children understand what is meant by technology and can identify a variety of examples. Lesson 1 on plan |
| Year Two | Unit 2.1 Coding Explain what debugging means Create a computer program using different objects Predict what objects will do Explain how they know certain objects can only move in certain ways Lesson 1, 2, 3 and 4 on plan | | Unit 2.2 Online Safety (inappropriate online searches, how to talk to others, digital footprint) Understand that info put online leaves a digital footprint or trail. Understand how to talk to others in an online situation. Lesson 1 and 3 on plan | Unit 2.3 Spreadsheets Use technology purposefully to create organize, store and retrieve digital content. Lesson 1 and 2 on plan | Unit 2.5 Effective Searching Understand terminology associated with searching Use technology to retrieve information Digi Duck – E-Safety Use technology safely and respectfully Lesson 1 and 2 on plan | Unit 2.8 Presenting Ideas Use technology to create digital content Use a search engine to find out information Lesson 1 and 3 on plan |