** Computing Overview**

|  |  |  |
| --- | --- | --- |
| Digital Literacy | Computer Science | Information Technology |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Autumn** | **Spring**  | **Summer** |
| **Reception** | **Mouse and trackpad skills*** Clicking, navigating using the movement of the mouse and dragging and dropping.

**Technology all around us*** Discussing when and why we use technology. Adding technology into role play areas.

**Keyboard skills*** Simple typing, capital letters and function keys such as ‘enter’.

**Hardware*** Introduces knowledge about the parts of a computer and how to look after equipment.
 | **Drawing skills*** Choosing pens and style and composing drawn images on screen.

**Safety and privacy** * Introduces the idea of ownership and privacy.

How to recognise when you are not comfortable with something**.****Robots*** Develop children’s logical processing skills in terms

of following and creating instructions and making predictions.**Quizzes*** Encounter quizzes throughout Purple Mash, these ideas use simple quizzes to familiarise children with quizzing as a learning aid.
 | **Sounds*** Use recording tools within Purple Mash to record sounds/music.

**Photography*** Introduces how to take a photograph and upload the image.

**Using Purple Mash Logins*** Learn how to log into Purple Mash using their induvial username and two-digit pin password.
 |
|  | **Autumn**  | **Spring**  | **Summer**  |
| **Year 1** | **Online Safety & Exploring Purple Mash** | **Grouping and Sorting****2DIY** | **Pictograms****2Count** | **Lego Builders****2DIY** | **Maze Explorers****2Go** | **Animated Story Books****2CREATE A STORY** | **Coding****2Code** | **Technology Outside School** |
| **Year 2** | **Coding****2Code** | **Online Safety** | **Spreadsheets****2Calculate** | **Questioning** **2Question****2Investigate** | **Effective Searching****Browser** | **Creating Pictures****2PaintAPicture** | **Making Music****2Sequence** | **Presenting Ideas** |
|  | **Autumn**  | **Spring**  | **Summer**  |
| **Year 3** | **Coding****2Code** | **Online Safety**  | **Spreadsheets****2Calculate** | **Email (including email safety)****2Email****2Connect****2DIY** | **Touch Typing** **2Type** | **Branching Databases****2Question** | **Stimulations****2Stimulate****2Publish** | **Graphing****2Graph** | **Presenting****MS PowerPoint** |
| **Year 4** | **Coding****2Code** | **Online Safety**  | **Writing for Different Audiences** **2Email****2Connect****2DIY** | **Logo****Logo** | **Animation****2Animate** | **Effective Searching****Browser** | **Hardware Investigators****And Introduction to AI** | **Making Music****Busy Beats** |
| **Year 5** | **Coding****2Code** | **Online Safety** | **Spreadsheets****2Calculate** | **Databases** **2Question****2Investigate** | **Game Creator****2DIY 3D** | **3D Modelling****2Design and Make** | **Concept Maps****2Connect** | **Word Processing****MS Word** | **External Devices****2Code Purple Chip** |
| **Year 6** | **Coding****2Code** | **Online Safety**  | **Blogging** **2Blog**  | **Networks** | **Text Adventures****2Code****2Connect** | **Understanding Binary****2Code** | **Quizzing****2Quiz****2DIY****Text Toolkit****2Investigate**  | **Spreadsheets****MS Excel**  |