# Meltham Moor Primary School

## Computing Long Term Plan- 2022/23

| Computer Science | Information Technology | Digital literacy |
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| Year Group | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
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| Nursery | · Use an age appropriate game on the interactive whiteboard.<br>· Explore different types of technology in the role-play area. | · Draw a picture on the interactive whiteboard using Smartboard software.<br>· Use technology for different purposes e.g. torches. | · Know that we can use the computer to find information. | Be able to program a Bebot to follow a two step program. | · Complete a jigsaw game on the interactive whiteboard. | · Begin to use a mouse to interact with a PC.<br>· Be able to use an age appropriate game on a PC. |
| Reception | · Follow instructions to play an age appropriate game on the IWB / touchscreen device. | · Be able to use a mouse to interact with a PC | · Be able to take pictures using a digital device and use it for a purpose.<br>· Use the mouse to create a picture on screen using an appropriate programme. | · Be able to log in to Purple Mash using a login and understand keeping passwords safe. | · Use a Beebot or similar to programme a pathway on a map or similar. | · With adult support where needed, be able to use a computer to find information e.g. QR codes, internet search. |
| 1 | Online Safety – Digiduck<br><br>Technology around us | Unit 1.3 Pictograms<br><br>Capturing and creating images Pic Collage | Unit 1.6 Animated Story Books | Programmable toys (Beebots)<br><br>On screen programming (Beebot apps) | Unit 1.5 Maze Explorers | Unit 1.7 Coding |
| 2 | Online safety- Jessie and Friends<br><br>Exploring Purple Mash and basic skills | Unit 2.5 Effective Searching | Unit 2.6  Creating Pictures | Unit 2.7 Making Music | Unit 2.8 Presenting ideas | Unit 2.1 + 2.2 Coding |

| 3 | Online Safety<br><br>Unit 3.4 Touch Typing | Unit 3.3 Spreadsheets | Unit 3.1 Coding | Unit 3.5 Email - including email safety | Unit 3.7 Simulations<br><br>Unit 3.8 Graphing | Unit 3.6 Branching Databases |
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| 4 | Online Safety<br><br>Unit 4.7 Effective Searching | Unit 4.1 Coding | Unit 4.5 Logo | Unit 4.3 Spreadsheets | Unit 4.6 Animation | Unit 4.8 Hardware Investigators<br><br>Unit 4.9 making music |
| 5 | Online Safety<br><br>Unit 5.8 Word processors | Unit 5.3 Spreadsheets | Unit 5.4 Databases | Unit 5.1 Coding | Unit 5.5 Game Creator | Unit 5.6 3D Modelling |
| 6 | Online Safety<br><br>Unit 6.1 Coding | Unit 6.3 Spreadsheets | Unit 6.4 Blogging | Unit 6.6  Networks | Unit 6.7 Quizzing | Unit 6.8 Binary |