

Wolsey House Primary school Computing Curriculum Map 2021-2022

| | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
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| Nursery Reception | In the EYFS children use the Mini Mash part of the Purple Mash curriculum. This is woven into curriculum through rainbow time (where children are taught skills) and in free time to practice those skills. Programming and using Bee bots, use of technology on Ipads, following instructions, the technology box for role play and taking pictures of things are all used to engage children and set them on a path to digital literacy and computational thinking. | | | | | |
| Year 1 | Exploring Purple Mash program. Understand how to be safe online. Learn how to log on using my own details. Unit 1.1 Online safety and exploring Purple Mash | Explore the purple mash programme using grouping and sorting apps. Make pictograms using 2count and 2connect apps. Unit 1.2 Grouping and Sorting | Open a program and log on. Save our work. Use the ipad to write a postcard. | Make animated story boards. Unit 1.6 Animated Story Books. | <u>In ICT can we...?</u> Know about the importance of instructions. Know that an algorithm is a precise step by step instruction. Follow and create instructions on the computer. Unit 1.4 Lego Builders | <u>Coding:</u> To understand what coding means in computing. To use the 2code program to create a simple program. <u>Spreadsheets:</u> I can navigate around a spreadsheet. I can add images to a spreadsheet. I can use the 2speak and 2count tools in 2calculate. |

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| | | | | | | Unit 1.8 Spreadsheets |
| Year 2 | Read and Understand Code. Remix code to achieve a particular outcome. Unit 2.1 Coding | XCR – Great Fire of London Learn how to stay safe online. Learn how to use spreadsheets. Unit 2.3 Spreadsheets | Stay safe whilst using the internet. Begin to use spreadsheets. Unit 2.2 Online safety | To learn about data handling tools. To use yes/no questions To construct a binary tree. Unit 2.4 Questioning | Effectively retrieve digital content using a search engine. XCR How do plants grow? Unit 2.5 effective searching | Create simple and more complex animations. Create musical scores digitally. Unit 2.7 Making music. |
| Year 3 | In Computing can we...? Know what makes a password safe Understand how the internet can be used for effective communication Consider the truth of the content of websites Purple Mash unit 3.2 | Learn how to stay safe online. Learn how to use spreadsheets. Unit 3.3 Spreadsheets. | Explore coding skills Developing our understanding of coding so that we can create our own coding program Unit 3.1 Coding | Use timers in 2Code Explore coding using 'If' statements Find out about debugging | Understand the correct way to sit at a keyboard Type using the left and right hand Learn how to type using the home, top and bottom row of keys Begin to use typing terminology Purple Mash Unit 3.4 | Use the symbols more than, less than and equal to, to compare values To use 2Calculate to collect data and produce a variety of graphs Unit 3.8 Graphing |

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| | XCR: History – Ada Lovelace (Kirkby Mallory) – how have the lives of women changed over time? | | | | | |
| Year 4 | Use the design to create a program. To create a program with a character that repeats actions Unit 4.1 Coding | Unit4.2 – Online Safety Unit4.3 – Spreadsheets | Add a formula to a cell to automatically make a calculation in that cell. Combine tools to make fun ways to explore number. XCR: Maths Unit 4.3 spreadsheets. | Unit 4.5 Logo Control an on screen marker to create mathematical patterns | Unit 4.6 Animation Create a stop motion animation and share it in a blog | Unit 4.9 Making Music Children can experiment with pitch, rhythm, and melody to create a piece of house music on Busy Beats |
| Year 5 | Can we write code? Unit 5.1 | Ensure our own online safety? Use online design tools to design a card? (Art link) Unit 5.2 | Coding using; Repetition Commands; If statements; Introducing Variables; Designing a game. | Can we use spreadsheets? Unit 5.3 | Can we build and use databases? Unit 5.4 | 'Create our own Computer Games?' Unit 5.5 |

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| Year 6 | Coding. What can we learn about staying safe online? Unit 6.2 | Use Spreadsheets XCR Geography Unit 6.3 | Make and use a spreadsheet? Unit 6.9 | Look at Blogging. Unit 6.4 | Look at Text Adventure! Unit 6.5 | Quizzing and Networking Unit 6.7 |