



Progression of Computing Knowledge and Skills in KS1
at Mickleton Primary School



Red – Intent – National Curriculum requirements

Blue – Intent – Skills

Green – Implementation

	Year 1	Year 2
Computer Science	Unit 1.4 – Lego builders Unit 1.5 – Maze Explorers Unit 1.7 – Coding - I can explain that an algorithm is a set of instructions. - I know that algorithms written for a computer are called programs. - I can work out what is wrong with a section of code and try and fix it. - I can make good guesses of what is going to happen in a program. Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions. Create and debug simple programs. Use logical reasoning to predict the behaviour of simple programs.	Unit 2.1 – Coding - I can explain an algorithm is a set of instructions to complete a task. - I know I need to carefully plan my algorithm so it will work when I make it into code. - I can design a simple program that achieves a purpose. - I can find and correct some errors in my program. - I can say what will happen in a program. - I can spot an action or effect in a program. Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions. Create and debug simple programs. Use logical reasoning to predict the behaviour of simple programs.
Information Technology	Unit 1.2 – Grouping and Sorting Unit 1.3 – Pictograms Unit 1.6 – Animated Story books Unit 1.7 - Coding Unit 1.8 – Spreadsheets - I can sort and add sound, pictures and text to a program. - I can change content on a file such as text, sound and images. - I can name, save and find my work. Use technology purposefully to create, organise, store, manipulate and retrieve digital content.	Unit 2.3 – Spreadsheets Unit 2.4 - Questioning Unit 2.5 – Effective Searching Unit 2.6 – Creative Pictures Unit 2.7 – Making Music Unit 2.8 – Presenting Ideas - I can use several programs to find, organise and edit data and information. - I can name, save and find my work. - I can include photos, text and sound in my creations. Use technology purposefully to create, organise, store, manipulate and retrieve digital content.
Digital Literacy	Unit 1.1 – Online safety and exploring Purple Mash - I can keep my login information safe. - I can save my work in a safe place such as ‘My Work’ folder.	Unit 2.2 – Online Safety Unit 2.5 - Effective Searching

	Unit 1.9 – Technology outside school • I can say what technology is and give examples used in school and at home. • I know the difference between old and new technology. Recognise common uses of information technology beyond school. Use technology safely and respectfully keeping personal information private, identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.	• I can find information I need using a search engine and know the consequences of not searching online safely. • I can share work and communicate electronically. • I can report unkind behaviour and things that upset me online, to a trusted adult. • I can identify where technology is used at school. • I understand that my creations need similar skills to the adult world. Recognise common uses of information technology beyond school. Use technology safely and respectfully keeping personal information private, identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.
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