

COMPUTING CURRICULUM MAP 2016-2017

	E-safety	1.1	1.2	2.1	2.2	3.1	3.2
Year 1	I know to tell an adult if I see anything worrying online	Basic computer skills - to become independent learners. To be able to turn computers on start to type text and change the colours of the font and to save work. I can safely transport a computer around school. I can log onto a computer and load Microsoft word. I can type simple text. I can save my work. I can shut down a computer. I can recognise a range of technology at school and home.	Create a caption and tag line (digital literacy) 2simple – to draw a picture and type about it. I can load a saved work. I can control a mouse to create a picture. I can change the font and colour of my text. I can use an i-pad to draw a picture.	photo editing (multi media) looking at changing the filters... i-pads to get the children to think about the affect the filters have for an audience. Get the children to take photos of each other for a range of purposes I can use an I-pad to take a photo. I can change the filters on the camera.		Coding – beebot/paper based computing Positional language – link to maths I can I can predict the behaviour of a programmed toy I can explain that an algorithm is a step by step set of instructions	
Year 2	I know I need to keep my personal information private I know I need to keep my personal information private	Basic computer skills - creating files to organise their work. Then to continue with typing skills and font size. I can recognise how others use technology outside of school I can find, open, edit and save files I am working on	videoing editing - using i-movie on the i-pad G &T- windows movie maker (multi media) Stills... I can use different software programs and discuss the benefits of their usage	Powerpoint – this will include research to find information and present it (digital literacy) link to history/geography I can research. I can present data for others.		Coding – beebot/paper based computing Positional language- giving directions- link to maths I can create a simple program to perform a task I can create and debug simple programs I can find and fix simple bugs in programs I can understand that programs run by following clear instructions	
Year 3	I know I need to keep my password and personal information secure I can recognise acceptable and unacceptable behaviour online	Typing skills - typing text for a target audience- to make a poster fact files. I can use a search engine to find web pages I understand that not all websites are as reliable as others I understand that the internet is a large network that enables computers to share information	Networks - I know what input and output devices are and how they are used I can use a range of input and output devices efficiently I understand that computer networks allow data to be transferred and shared	Coding - using risingstars books level 1 I can produce a simple program that completes a given task I can explain how simple algorithms solve a given problem		sound editing - garage band(multi media) to create sounds and to think how we can edit these to fade in and out. –linked with music I can make choices on which program is best for a given task	
Year 4	I know what to do if I see anything worrying online I understand that what I say or post on the internet might be copied, shared and stored by others	Typing skills - to use skills to continue to build skills in recognition using the keyboard. I can use a range of programs to complete a task I can use different software programs and different types of hardware	Coding - using risingstars books level 2 I can use other programs as I code I can use logical thinking to identify and solve potential bugs during coding I can break programs up into smaller parts	Branching data bases (data) I understand how search engines order their search results	videoing editing (multi media) using windows movie maker I can use more complicated input devices	Newspaper -publisher (digital literacy) I understand that some computers on a network serve particular functions, such as controlling printers or sharing files	
Year 5	I understand how to choose online content for my age group	Typing skills – continue from previous skills and to look at creating multiple files and what they can be used for. I can confidently use a range of software tools I can select appropriate software to use for a given task		e-book (multi media/digital literacy) I can use a range of search tools to find exactly what I'm looking for I can use more advanced features when searching online		Spreadsheets (data) I can use the internet to allow me to share data with another person	coding - using risingstars books level 3 I can explain how increasingly complex algorithms solve a

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					<p>given problem</p> <p>I can use IF statements to alter the way my programs run</p> <p>I can use loops to repeat tasks within a program</p> <p>I can control external hardware from within my programs</p> <p>I can write increasingly complex programs</p>
Year 6	<p>I understand how to report concerns about content and contact in and out of school</p> <p>I understand how to protect my computer or device from harm on the internet</p>	<p>Typing skills- continue from previous years. To start to think of language for the audience and typing emails.</p> <p>I can use software to help me analyse and present data and information</p> <p>I can design a program for a given audience</p> <p>I can use more than one piece of software to complete a task</p>	<p>Spreadsheets (data)</p> <p>I can recognise trustworthy sources of information on the internet</p> <p>I can use a broad range of resources online to find exactly what I'm looking for</p>	<p>Coding- using risingstars books level 4</p> <p>I can combine software and hardware to solve real life problems</p> <p>I can break code up into related instructions, making debugging easier and quicker</p> <p>I can store and retrieve variables in a program</p> <p>I can use loops, variables and IF statements to alter the way my programs run</p> <p>I can use logical thinking to identify and solve potential bugs during coding</p>	<p>videoing editing and year book (multi media/ digital literacy)</p> <p>I can use and combine services on the internet to share information</p> <p>I understand how computers are able to communicate and share information</p>

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