



# Computing Long Term Map

	Extra-Curricular	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Reception		<p><b>Information Technology</b></p> <p>Learn how to use IWB, Interactive table, iPads and program a Code-a-pillar</p> <p><i>How do I make the code-a-pillar move?</i></p>	<p><b>Information Technology</b></p> <p>Learn how to use IWB, Interactive table, iPads and program a Code-a-pillar</p> <p><i>How do I make the code-a-pillar move?</i></p>	<p><b>Computer Science</b></p> <p>Learn how to programme a beebot</p> <p><i>What does this button mean on the beebot?</i></p>	<p><b>Information Technology</b></p> <p>Learn how to take photographs and film with an iPad, including how to look at them. Take photographs of 3d shapes found.</p> <p><i>How do I take a photograph on the iPad?</i></p>	<p><b>Digital Literacy</b></p> <p>Online safety – how to keep safe when accessing things online</p> <p><i>Who can I ask to help me when I use a computer?</i></p>	<p><b>Digital Literacy</b></p> <p>Online safety – how to keep safe when accessing things online</p> <p><i>Who can I ask to help me when I use a computer?</i></p>
Online Safety						<p><b>Digital Literacy</b></p> <p>Using devices safely</p> <p><i>Who can I ask to help me when I use a computer?</i></p>	<p><b>Digital Literacy</b></p> <p>Using devices safely</p> <p><i>Who can I ask to help me when I use a computer?</i></p>
Year 1	Computer Explorers	<p><b>Computer Science</b></p> <p>Programming BeeBots</p> <p><i>Can you use the correct buttons to make a Beebot move in the way you want it to?</i></p>	<p><b>Information Technology</b></p> <p>Computer systems and networks – Technology Around Us</p> <p><i>Can you name and describe what the parts of a computer</i></p>	<p><b>Information technology</b></p> <p>Using a Graphics Package</p> <p><i>Can you use a graphics package to create a simple picture?</i></p>	<p><b>Information technology</b></p> <p>Word Processing - change font size and colour</p> <p><i>Can you change the size and colour of a font?</i></p>	<p><b>Computer Science</b></p> <p>Programming Beebots</p> <p><i>Can you create and debug an algorithm?</i></p>	<p><b>Information Technology</b></p> <p>Word Processing – capitals, shift key, delete, back space, arrow keys, undo, redo</p> <p><i>Can you use the keys capital,</i></p>



# Computing Long Term Map

Year 2	Online Safety		do? Can you log on and off?				shift, delete, back space, arrow, undo and redo to help you with your typing?
	Computer Explorers		Digital Literacy Going Places Safely <i>Can you describe what to do if something doesn't feel right online?</i>	Digital Literacy ABC searching <i>Do you know how to use a child friendly search engine?</i>	Digital Literacy Keep it private <i>Can you describe which personal information is safe to put online and which isn't?</i>	Digital Literacy My creative work <i>Can you describe the importance of naming your work?</i>	Digital Literacy Sending Email <i>Do you know why we send emails?</i>
	Computer Explorers	<b>Information Technology</b> Computer Systems and Networks - Information Technology Around Us <i>What IT devices can you find at school and home?</i>	<b>Information Technology</b> Word Processing – using the keyboard to edit text <i>Which key on the keyboard do I need to use?</i>	<b>Information Technology</b> Using a Graphics Package <i>What tools can I use to create a picture?</i>	<b>Computer Science</b> Programming Robots <i>Can I program and debug a robot?</i>  <b>Computer Science</b> Logo - Logo Shapes <i>Can I create a shape using code and debug if needed?</i>	<b>Computer Science</b> Creating Algorithms <i>Can I use an algorithm to make a sprite change?</i>	<b>Information Technology</b> Word Processing – using Publisher to add text and images <i>Can I add text and images to a document?</i>



# Computing Long Term Map

<b>Online Safety</b>		<b>Digital Literacy</b> Staying Safe Online <i>Do I know what to do when something doesn't feel right online?</i>	<b>Digital Literacy</b> Follow the Digital Trail <i>What is a digital trail?</i>	<b>Digital Literacy</b> Screen out the Mean <i>How do people feel when something is spread online about them?</i>	<b>Digital Literacy</b> Using Keywords <i>Why is it important to use a 'keyword' in a search?</i>	<b>Digital Literacy</b> Sites I Like <i>Which website is more suitable for your age and why?</i>	
<b>Year 3</b>	Computer Explorers  Times Table Rock Stars	<b>Computer Science</b> Debugging <i>Can I write, test and debug a simple algorithm, using sounds on Scratch?</i>  <b>Information Technology</b> Computer Systems and Networks – Connecting Computers <i>What is a digital device?</i>	<b>Information Technology</b> Word Processing <i>How can a word processor help me present my learning?</i>	<b>Computer Science</b> Programming Motion <i>How can I use Scratch to make a single platform game?</i>	<b>Computer Science</b> Using Broadcast and Receive Commands <i>How can Scratch help me program an animation?</i>	<b>Computer Science</b> Probots <i>How can a Probot help me to draw angles?</i>  <b>Computer Science</b> Programming a Quiz <i>How can I create a quiz using Scratch?</i>  <b>Information Technology</b> Internet Research <i>Can I use the internet safely to research?</i>	<b>Information Technology</b> Word Processing <i>How can a word processor help me present my learning?</i>



# Computing Long Term Map

Year 4	Online Safety	<b>Digital Literacy</b> Powerful passwords <i>Do I understand why passwords are important?</i>	<b>Digital Literacy</b> My online community <i>How can online communities help me?</i>	<b>Digital Literacy</b> Things for sale <i>Can I trust everything I read online?</i>	<b>Digital Literacy</b> Show respect online <i>How should I behave online?</i>	<b>Digital Literacy</b> Writing good Emails <i>How do I write a good email?</i>	
	Computer Explorers Times Table Rock Stars	<b>Computer Science</b> Scratch slug trail PRIMM <i>Can I programme a game on scratch?</i>	<b>Computer Science</b> Micro:bits <i>Can I programme a micro:bit?</i>	<b>Information Technology</b> Using a Graphics Package <i>Can I create a Roman mosaic using dazzle?</i>	<b>Information Technology</b> Word Processing <i>Can I type, format images and insert a table on Microsoft Word?</i>	<b>Information Technology</b> Computer networks and systems – The Internet <i>Do I understand how the internet works?</i>	<b>Computer Science</b> Crab Maze PRIMM <i>Can I programme and extend a game on scratch?</i>
Year 5	Online Safety	<b>Digital Literacy</b> Rings of responsibility <i>Do I know how to be responsible online?</i>	<b>Digital Literacy</b> Private and personal information <i>Is it ok to share my private and personal information with anyone?</i>	<b>Digital Literacy</b> The power of words <i>Do I know the effect my digital footprint can have on others?</i>	<b>Digital Literacy</b> The key to keywords <i>Do I know the importance of using key words online?</i>	<b>Digital Literacy</b> Whose is it anyway? <i>Do I understand the importance of plagiarism online?</i>	
	Computer Explorers	<b>Computer Science</b> Computing Systems and Networks – Systems and Searching	<b>Computer Science</b> Scratch Tables Game <i>Can I explain how to code a programme to change a score by 1?</i>	<b>Information Technology</b> Word Processing <i>How do I create and insert a table on word</i>	<b>Computer Science</b> Scratch Counting Machine <i>Can I explain how to edit and improve</i>	<b>Information Technology</b> Word Processing <i>How can I use Publisher to</i>	<b>Computer Science</b> Lego Wedo <i>How do I program and code technology</i>



# Computing Long Term Map

		<i>How does a computer system work?</i>		<i>and use information from Digi maps?</i>	<i>a code to make a game work?</i>	<i>present information?</i>	<i>to perform a function?</i>
Online Safety		<b>Digital Literacy</b> Strong passwords <i>How do I create a strong password?</i>	<b>Digital Literacy</b> Digital citizens pledge <i>How can I be a good digital citizen?</i>	<b>Digital Literacy</b> You've won a prize! <i>What does online spam look like?</i>	<b>Digital Literacy</b> How to cite a site <i>How do I cite a site?</i>	<b>Digital Literacy</b> Picture perfect <i>Are the images I see on the internet always true to how a person looks?</i>	
Year 6	Computer Explorers  The Highfielder The Blog Publicity	<b>Information Technology</b> Excel Spreadsheets <i>Can I collect, analyse, evaluate and present data using Excel formulae?</i>	<b>Information Technology</b> Using Search Engines <i>Can I make discerning choices when evaluating digital content?</i>  <b>Information Technology</b> Understanding Digital Maps ( <b>Geography</b> )  <b>Computer Science</b> Programming Probots <i>Can I use sequence, selection and repetition in programs?</i>	<b>Information Technology</b> PowerPoint Presentations <i>Can I use PowerPoint to present an idea?</i>  <b>Computer Science</b> Programming and Coding <i>Can I design, write and debug a program to accomplish a specific goal?</i>	<b>Information Technology</b> iPads – GarageBand <i>Can I use the functions of Garageband to compose a piece of music?</i>  <b>Information Technology</b> iPads – iMovie <i>Can I use the functions of iMovie to create a film trailer?</i>	<b>Information Technology</b> Computing Systems and Networks - Communication and Collaboration <i>Can I explain how the internet is used to create shared projects and evaluate methods of communication?</i>	<b>Computer Science</b> Scratch Programming <i>Can I demonstrate programming skills using 'Scratch'?</i>
Online Safety		<b>Digital Literacy</b>	<b>Digital Literacy</b>	<b>Digital Literacy</b> Privacy Rules	<b>Digital Literacy</b>	<b>Digital Literacy</b>	<b>Digital Literacy</b>



# Computing Long Term Map

		Keeping our identity private <i>Can I explain why it is important to be aware of our digital footprint?</i>	Becoming a super digital citizen <i>Can I explain and correct use of digital media?</i>	<i>Can I demonstrate how websites protect our private information?</i>	What's Cyber Bullying? <i>Can I say where to go for help and guidance if I experience cyber bullying?</i>	Selling Stereotypes <i>Can I explain and describe stereotypes and identify them in the media?</i>	Consolidation of learning (Presentations using PowerPoint / Prezi) <i>Can I explain how to stay safe when using digital media?</i>
--	--	--	--	--	--	--	--