

Unit Overview - short term planning taken from [Teach Computing](#)

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
FS	<p style="text-align: center;">Understanding the World</p> <p>Learn to click, hold, drag, and move the mouse.</p> <p>Use Splash to create a firework picture</p> <p>Learning to click the left button on a mouse to change the pen colour.</p> <p>Learning to hold and drag the mouse to create enclosed circles.</p>		<p style="text-align: center;">Understanding the World</p> <p>Log on using class name, open 2paint and change the pen colour to cold colours to create an Antarctic scene</p> <p>Open 2paint Pattern</p> <p>Use keyboard to type name</p> <p>Use 2paint Pattern to create a Mother's Day card</p>		<p style="text-align: center;">Understanding the World</p> <p>Use 2Paint to draw 2D shapes, a map and ship</p> <p>Use 2Paint to draw and keyboard skills to label a farm animal</p> <p>Use 2Paint to create a How to Stay Healthy poster with text</p>	
Hardware/software						
Year 1	<p>Digital Literacy</p> <p>Technology around us</p> <p>Recognising technology in school and using it responsibly.</p> <p>Medium Term Plan</p>	<p>Computer Science</p> <p>Moving a robot</p> <p>Writing short algorithms and programs for floor robots, and predicting program outcomes.</p> <p>Medium Term Plan</p>	<p>Information Technology</p> <p>Creating Media</p> <p>Digital Writing</p> <p>Using a computer to create and format text, before comparing to writing non-digitally.</p> <p>Medium Term Plan</p>	<p>Information Technology</p> <p>Data</p> <p>Grouping data</p> <p>Exploring object labels, then using them to sort and group objects by properties.</p> <p>Medium Term Plan</p>	<p>Information Technology</p> <p>Creating media</p> <p>Digital Painting</p> <p>Choosing appropriate tools in a program to create art, and making comparisons with working non-digitally.</p> <p>Medium Term Plan</p>	<p>Computer Science</p> <p>Programming animations</p> <p>Designing and programming the movement of a character on screen to tell stories.</p> <p>Medium Term Plan</p>
Hardware/software	<p>Desktop/chromebooks</p> <p>Lesson 2 – drag and</p>	<p>Unplugged</p> <p>Bee Bots</p>	<p>Desktop/chromebooks</p>	<p>Desktop</p>	<p>Desktop/chromebooks</p> <p>Busy paint</p>	<p>iPads/ Desktop/chromebooks</p>

	drop Lesson 3, 4, 5, 6- Paintz (paintz.app),		Google docs/Microsoft word/ j2write Busy things	Power point activity sheets – lesson 5 and 6	Microsoft Paint, Paintz (paintz.app)	Scratch Jnr app/desktop
Year 2	Digital Literacy <u>Computing systems and networks - IT around us</u> Identifying IT and how its responsible use improves our world in school and beyond. Medium Term Plan	Information Technology Creating media Digital Photography Capturing and changing digital photographs for different purposes Medium Term Plan	Computer Science Robot algorithms Creating and debugging programs, and using logical reasoning to make predictions. Medium Term Plan	Information Technology Data Pictograms Collecting data in tally charts and using attributes to organise and present data on a computer. Medium Term Plan	Information Technology Creating Media Digital Music Using a computer as a tool to explore rhythms and melodies, before creating a musical composition. Medium Term Plan	Computer Science Programming quizzes Designing algorithms and programs that use events to trigger sequences of code to make an interactive quiz. Medium Term Plan
Hardware/software	iPads	iPads digital camera, instant camera.	Unplugged Bee Bots	Desktop/chromebo oks J2data	Desktop/chromeboo ks/iPads Chrome music lab	iPads/ Desktop/chromebo oks Scratch Jnr app/desktop

<p>Year 3</p>	<p>Digital Literacy Connecting computers</p> <p>Identifying that digital devices have inputs, processes, and outputs, and how devices can be connected to make networks. Medium Term Plan</p>	<p>Information Technology Stop-frame animation</p> <p>Capturing and editing digital still images to produce a stop-frame animation that tells a story Medium Term Plan</p>	<p>Computer Science Programming A – sequencing sounds</p> <p>Creating sequences in a block-based programming language to make music. Medium Term Plan</p>	<p>Information Technology Data Branching databases</p> <p>Building and using branching databases to group objects using yes/no questions. Medium Term Plan</p>	<p>Information Technology Creating media Desktop publishing</p> <p>Creating documents by modifying text, images, and page layouts for a specified purpose. Medium Term Plan</p>	<p>Computer Science Programming B Events and actions in programs</p> <p>Writing algorithms and programs that use a range of events to trigger sequences of actions. Medium Term Plan</p>
<p>Hardware/software</p>	<p>Unplugged for most lessons Desktop/laptop Painting program PaintZ (paintz.app — online Brushes Redux - iPad</p>	<p>iPad iMotion</p>	<p>Desktop/chromebook Scratch</p>	<p>Desktop/chromebook J2data Branch and pictogram</p>	<p>Desktop/laptop Adobe Spark Canva.com</p>	<p>Desktop/chromebook Scratch</p>
<p>Year 4</p>	<p>Digital Literacy The internet</p> <p>Recognising the internet as a network of networks including the WWW, and why we should</p>	<p>Information Technology Audio production</p> <p>Capturing and editing audio to produce a podcast, ensuring that copyright is considered.</p>	<p>Computer Science Repetition in shapes</p> <p>Using a text-based programming language to explore count-controlled loops when drawing shapes.</p>	<p>Information Technology Data Data logging</p> <p>Recognising how and why data is collected over time, before using data loggers to carry out</p>	<p>Information Technology Photo editing</p> <p>Manipulating digital images, and reflecting on the impact of changes and whether the required purpose</p>	<p>Computer Science Repetition in games</p> <p>Using a block-based programming language to explore count-controlled and</p>

	evaluate online content. <u>Medium Term Plan</u>	<u>Medium Term Plan</u>	<u>Medium Term Plan</u>	an investigation. <u>Medium Term Plan</u>	is fulfilled. <u>Medium Term Plan</u>	infinite loops when creating a game. <u>Medium Term Plan</u>
Hardware/software	Desktop/chromebo ok Websites	Desktop Audacity	Desktop FMSLogo	Desktop Data logger	Desktop Paint.net	Desktop/chromebo ok Scratch