

Imagine, Believe, Achieve

				 implement movement in an algorithm. Can explain the difference between hardware and software and be able to identify a range of different input and output devices. Can create flowcharts using start/end symbols, process symbols and decisions symbols. Can understand that the internet transmits information as packets of data using IP addresses via ethernet cables/fibre optic cables/satellites. Know the difference between PAN, LAN and WAN. Can identify a range of network typologies (ring/star/bus/mesh). 	game using the inbuilt paint features.	Can use nested loops and nested function in Swift. Can use repeat commands within a function. Can calculate the most effective way to write an algorithm, ensuring the least amount of code is used.
			ation Technology / Digital			
Can access the camera on an iPad. Can explore the camera features and take pictures.	Can handle an iPad effectively and search for/open/close a variety of apps. Can use a keyboard to	Can store, organise and retrieve content on digital devices for a given purpose. Can use technology purposefully to create,	Can use and combine a range of programs on a computer. Can design and create content on a computer in response to a given	Can use and combine a range of programs on a computer. Can design and create content on a computer in response to a given goal.	Can select, use and combine a range of programs on multiple devices. Can make use of a	Can select, use and combine a range of programs on multiple devices. Can make use of a
Can use PicCollage to collate photographs, add a title and their name and save.	type letters, numbers and special characters. Can edit text. Can select and format text. Can format font style, size and colour. Can add emphasis to text.	organise, store, manipulate and retrieve digital Content on an online learning platform. Can use annotation tools such as pen, erase, text box and shapes when uploading their work.	in response to a given goal. Can use a common search engine (eg Google with safe search mode on) to search for particular information on the Web. Can position their hands correctly on the home row.	Can use a common search engine (eg Google with safe search mode on) to search for particular information on the Web. Know the benefit of touch typing and practice it regularly, using the Home Row keys.	range of search engines appropriate to finding information that is required. Can analyse and evaluate data. Know the benefit of touch typing and practice it regularly, using the Home Row keys.	range of search engines appropriate to finding information that is required. Can analyse and evaluate data. Know the benefit of touch typing and practice it regularly, using the Home Row keys.

	Can adjust the alignment of text on a page. Can access and upload work to an online learning platform (Seesaw). Can take a screenshot using an iPad. Can use a search engine to perform simple keyword searches to find information and images.	Can use a microphone to upload an audio file to an online learning platform. Can open, close and save a file. Can add an image to a document and format it. Can search for, select, copy and paste images from the internet. Can add text to a shape.	Can use a Bluetooth keyboard to enter text on a website and on a document. Can use the return and enter keys and a range of alternative keys. Can use the shift key to access further keyboard options. Can save their work, rename it and locate it. Can use more advanced formatting features in Word Processing to improve the appearance of text and images, including special effects. Can use custom animation in a presentation to apply entrance and exit effects to a selected object.	Can use presentation software to present information using a range of media and design techniques. Can use a variety of animation and transition effect options an personalise them using timings, effect options and sound. Can apply a range of formatting options on fonts and images to improve the presentation of their work. Can use and edit tables within a document. Can merge cells, add/delete rows/columns, format borders and apply cell backgrounds. Can personalise bullet points in a document to a chosen image.	Be able to use a range of advanced formatting features in Word Processing and presentation software. Can use headers and footers and various text wrapping options within a document. Can plan and create a digital quiz in Kahoot! Can insert images and online video clips and adjust question timings and settings.	Can use computers to collect numerical data &present this to an audience. Be able to use a range of advanced formatting features in Word Processing and presentation software. Understand how to use 'actions' and custom animations in presentations to create movement and interactivity. Can use and create animation paths in a presentation. Can insert navigational hyperlinks within a presentation.
			Can use and edit text boxes and apply bullet points.			
			Information Technology			
Can access the camera on an iPad. Can explore the camera features and take pictures.	Can access the camera on an iPad. Can capture still images and video footage using an iPad camera.	Can create an e-book comic using Book Creator. Can select frame options and format the gutter	Can use a variety of online and offline digital art applications and compare their advantages and disadvantages.	Can use an Apple pencil and pair it to an iPad. Can use basic image editing tools in Apple notes, including pen-to- text, pen, highlighter,	Can use a range of advanced pen options in Sketch.io, including calligraphy, fur, sketchy and stamp. Can use an Apple Pencil	Can use an Apple Pencil and an advanced digital art package (Procreate) to create effective digital images. Can use a range of
Can use PicCollage to collate photographs, add a title and their name and save.	Can explore the camera features and take pictures (using front and reverse lens options). Can create basic pictures using shapes in	gutter. Can add text, speech, stickers and thought bubbles to a comic. Can create images in Scratch Jr using	Can use shapes, lines and pen options and adjust line width and style. Can import a background on to an art	Can use shape recognition technology to create perfect shapes with an Apple pencil.	and an advanced digital art package (Procreate) to create digital images. Can use a range of pen options and adjust the pen width.	can use a range of drawing adjustment options, including noise, blur and liquify. Can create their own personalised brush in Procreate.
	Pages. Can resize,	backgrounds and sprites.	canvas.		Can effectively use the colour palette to	

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move, rotate and edit the shapes. Can create a simple drawing using a basic art app (Doodle Buddy). Can use pen options, colour options and undo/redo. Can create a simple slideshow using backgrounds, text, images and transition effects.	Can use the 'full screen' option to take a screenshot in Scratch Jr and insert the image into a different application.	Can format and edit shapes with advanced use of colour options and pattern effects. Can adjust the hue, tint and warmth of an image. Can use an iPad to take effective images, taking consideration of angle, range, frame and focus. Can edit captured images by using crop and adjusting brightness and colour options. Can apply filters to a photo. Can arrange a series of captured images into a collage using PicCollage. Can apply backgrounds, stickers, text and animation to a collage.	Can use a variety of advanced pen option in Sketch.io including mirror.	 experiment with a range of colours. Can use the pipette function and adjust colour opacity. Can use the blend and smudge options to alter the look of an image. Can add layers to digital artwork and then trace over an imported image. Can create simple animations in Stop Motion Studio using still frames. Can adjust the speed of an animation. Can create simple animation assist in Procreate. Can alter the onion layers and speed of playback. Can duplicate a frame and add new frames. Can export an animation as an animated MP4 to an online learning platform. Can create an animate a story using scenes, characters and speech in Plotagon. 	Can create a movie trailer using iMovie by inserting script and video clips. Can use videography skills to capture video using a range of styles – closeup, medium, long shot, action and landscape.

Now what the internet is and what we can use there using digital technology, know to using angles, so should not the acacher or parent if images.Can demonstrate that they find inappropriate is acacher or parent if images.Can show that they can teresting or remixing online content, including online content, including digital technology in a range of contexts. Know that they should digital technology in a range of contexts. Know the using compute technology in a technology in a t
information private. Lessons 1-2 negative impact on it. Understand the SMART

Identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.	To understand how to stand up to others online To know how to turn negative into positive To understand what 'Cyberbullying' is and how to deal with it Understand the SMART principles of e-safety and know what cyberbullying is and how they should deal with it.	Identify how we can use our knowledge and tools to make personal choices to create healthy digital habits. Know how to be internet secure and protect your things Know how to build a strong password Understand the SMART principles of e-safety and know what cyberbullying is and how they should deal with it. Identify how to take positive action if they see hurtful comments posted online. To know what makes communication unkind and how this might make others feel	cyberbullying is and how they should deal with it. To know what information to keep private To help others with cyberbullying by creating a video to help others. To know what is suitable to consent to To understand the Terms and conditions of social media and the sharing of personal information
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