

Year group	Sticky knowledge					
	Autumn		Spring	Summer		
1	<p><b><u>Getting to know your computer</u></b></p> <p>I can log on to a laptop I can use a trackpad I can switch on and shutdown a laptop I can launch applications I can manipulate windows</p>	<p><b><u>Beginning to type</u></b></p> <p>I can type on a keyboard with 2 hands. To begin to know where letters are on a keyboard.</p>	<p><b><u>We are treasure hunters</u></b></p> <p>I can follow instructions to move around. I can give instructions to move around. I can program a Bee-Bot to move. I understand what input, program and output means. I can spot and correct mistakes in a program (debug). I can predict where a set of instructions will take a Bee-Bot or person. I can look for ways to make a program work better.</p>	<p><b><u>Let's type</u></b></p> <p>I can type on a keyboard with 2 hands I can save files I can use shift, space and enter correctly. I can use undo and redo. I can make text bold, italic or underline. I can save and retrieve my work in my folder with support. I can edit text using backspace, delete and the arrow keys.</p>	<p><b><u>We are rhythmic</u></b></p> <p>I can record good quality audio on an iPad. I can playback audio I have recorded. I can re-record audio where needed. I can program repeating sounds in ScratchJr. I can create a percussion sequence in ScratchJr. I can record music using virtual instruments. I can view the piano roll. I can edit music in a piano roll view. I can create music with multiple tracks.</p>	<p><b><u>We are digital artists</u></b></p> <p>I can paint blocks of colour. I can use the undo tool to correct mistakes. I can paint using different brush strokes. I can create a painting made up of lots of layers. I can choose colours to paint on top of a photo. I can draw an image made up of lines.</p>
2	<p><b><u>Digital Literacy (year 2) All about me</u></b></p> <p>I can type with two hands. I can use shift, space and enter correctly. I can use undo and redo. I can make text bold, italic or underline. I can save and retrieve my work I can edit text using backspace, delete and the arrow keys. I can format the font.</p>	<p><b><u>We are astronauts</u></b></p> <p>I can plan a return route in the playground. I can create sequences of move instructions. I can add instructions to display a sequence of texts. I can record audio and add instruction to play audio. I can use different events to launch code. I can create costumes for multiple sprites.</p>	<p><b><u>We are photographers</u></b></p> <p>I can take focused, sharp photos. I can review, reject and pick photos. I can review other pupils' photos. I can crop and straighten digital photos. I can adjust parts of an image. I understand I need to tell the teacher if I find images I am concerned about.</p>	<p><b><u>Digital Literacy (year 2) London PowerPoint</u></b></p> <p>I can type with two hands. I can use shift, space and enter correctly. I can use undo and redo. I can make text bold, italic or underline. I can save and retrieve my work I can edit text using backspace, delete and the arrow keys. I can format the font.</p>	<p><b><u>We are animators</u></b></p> <p>I can create a group storyboard. I can create characters, props or backgrounds. I can take pictures for the animation. I understand that the camera and stage need to stay in the same position. I can make small changes to characters and props between frames. I can perform as a character in the soundtrack. I can give feedback on other pupils' animations.</p>	<p><b><u>We are safe researchers</u></b></p> <p>I can find information using a search engine. I know how to report content concerns. I can add and organise questions on a mind map. I can include the sources of my information. I can create a presentation. I can add images to a presentation to improve it. I can present my findings to an audience.</p>



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3	<p><b>Digital Literacy (year 3)</b></p> <p>I can use undo and redo. I can make text bold, italic, underline or change case. I can select text in different ways. I can align text. I can cut, copy and paste text. I can insert images. I can type with two hands. I can save and retrieve my work independently</p>	<p><b>We are programmers</b></p> <p>I can create a storyboard for my scene. I can break a scene down into action and dialogue. I can create an animation in Scratch with a program. I can put the blocks of my Scratch script in order. I can create sound and graphics for the sprite and backdrop. I can correct mistakes in my program. I can explain the connection between my storyboard and my animated scene.</p>	<p><b>We are presenters</b></p> <p>I can search the Internet for relevant content and make notes. I can evaluate the quality and relevance of sources. I can identify high-quality effective images for my presentation. I can make sure my images and video agree with each other. I can give a clear and well-structured talk. I can record another pupil's talk. I can give feedback to others based on the criteria.</p>	<p><b>We are who we are</b></p> <p>I can plan the structure of a presentation. I can create a presentation. I can record a presentation (slide cast). I can add narration to a presentation. I can give constructive comments. I know what personal information is and I know who I can trust with information about me</p>	<p><b>We are co-authors</b></p> <p>I can find and read an article on Wikipedia. I can create content for a wiki. I can edit my own and others' content. I can edit content on Wikipedia. I can identify the sources I have used. I can work with others to plan a project. I can evaluate an article's trustworthiness.</p>	<p><b>We are bug fixers</b></p> <p>I can correct 'off-by-one' errors in loops. I can explain how the times-table program works how it works. I can improve the circle-drawing program and explain how it works. I can get the joke scripts to work and describe how they together. I can correct the Pong-style game to make the bounce more realistic. I can experiment with the racing car simulator and describe how it works.</p>
4	<p><b>Digital Literacy (year 4)</b></p> <p>I can use undo and redo. I can make text bold, italic, underline or change case. I can select text in different ways. I can align text. I can cut, copy and paste text. I can insert images. I can type with two hands. I can save and retrieve my work independently</p>	<p><b>We are software developers</b></p> <p>I can design an interactive educational game. I can develop an interactive educational game. I can put Scratch blocks into the right order. I can use the if/then/else block correctly. I can use the repeat block correctly. I can keep track of random numbers and the score. I can integrate sound into my game. I can correct mistakes in my game.</p>	<p><b>We are meteorologists</b></p> <p>I can use weather measurement equipment safely and accurately. I can describe the weather. I can enter data. I can take digital photos and add measurements and descriptions to them. I can create simple charts. I can make sensible predictions. I can create a weather forecast presentation. I can present the weather to others well.</p>	<p><b>We are musicians</b></p> <p>I can create and edit a repeating percussion pattern. I can play touch instruments and use smart mode. I can create and edit music using the Piano Roll View. I can play a piece of music using live loops. I can add extra loops to a grid. I can combine tracks using recordings, percussion and touch instruments.</p>	<p><b>We are bloggers</b></p> <p>I can write and comment on blog posts. I understand how to use blogs and write comments safely and responsibly. I know what unacceptable behaviour looks like and can report concerns on blog posts and comments. I understand that blog posts are stored as HTML on the Internet. I can add my own image, audio or video to a blog. I can identify the criteria for an effective blog post</p>	<p><b>We are makers</b></p> <p>I can identify the inputs and outputs for the micro:bit. I can predict and explain what a MakeCode program does. I can test a MakeCode program using the emulator. I can transfer a MakeCode program to the micro:bit. I can design a program for the micro:bit. I can design an algorithm for the micro:bit. I can use my algorithm as a MakeCode program.</p>



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5	<p><b>Digital Literacy (year 5)</b></p> <p>I can select, edit and manipulate text in different ways</p> <p>I can insert and format an image into a document</p> <p>I can use formatting tools to improve the layout</p> <p>I can use the spellcheck tool</p> <p>I can insert a simple table</p> <p>I can change the size and orientation of the page.</p> <p>I can change the layout by using the column tool</p> <p>I can type at an appropriate speed.</p> <p>I can save and retrieve my work independently</p>	<p><b>We are game developers</b></p> <p>I can create an algorithm for a game.</p> <p>I can create images, sounds and music for my game.</p> <p>I can use sequences of instructions.</p> <p>I can use selection and repetition in my game.</p> <p>I can add instructions to my game.</p> <p>I can detect and correct errors in my game.</p> <p>I can use feedback to improve my game.</p>	<p><b>We are cryptographers</b></p> <p>I can send and receive messages using Morse and semaphore code beyond line-of-sight.</p> <p>I can encrypt and decrypt messages using substitution ciphers and the Caesar cipher with an unknown key.</p> <p>I understand I should always keep passwords secret and should always make them complex.</p> <p>I recognise the need for encryption on the Internet.</p> <p>I can check if a web page is encrypted.</p>	<p><b>We are web developers</b></p> <p>I can name and describe the function of hardware used to connect computers.</p> <p>I can explain how data is transmitted via the Internet.</p> <p>I understand the difference between the web and the Internet.</p> <p>I understand that web pages are written and transmitted in HTML.</p> <p>I can explain the parts of a URL.</p> <p>I understand the importance of links on the web.</p> <p>I can view and edit the HTML for a web page.</p> <p>I can create a web page that includes images.</p>	<p><b>We are adventure gamers</b></p> <p>I can create a slide with an outline plan of my adventure game.</p> <p>I can add descriptive text to a presentation.</p> <p>I can add well-chosen Creative Commons licensed images to a presentation.</p> <p>I can create links between slides in a presentation.</p> <p>I can record and attach audio narration to slides.</p> <p>I can give good, supportive feedback to others.</p>	<p><b>We are VR designers</b></p> <p>I can explore locations in Street View.</p> <p>I can take photographs and photospheres.</p> <p>I can record a review of a book and upload the audio file.</p> <p>I can explore, interact and place objects in CoSpaces.</p> <p>I can create a CoSpaces scene.</p> <p>I can program CoSpaces objects.</p>
6	<p><b>Digital Literacy (year 6)</b></p> <p>I can select, edit and manipulate text in different ways</p> <p>I can insert and format an image into a document</p> <p>I can use formatting tools to improve the layout</p> <p>I can use the spellcheck tool</p> <p>I can insert a simple table</p> <p>I can change the size and orientation of the page.</p> <p>I can change the layout by using the column tool</p> <p>I can type at an appropriate speed.</p> <p>I can save and retrieve my work independently</p>	<p><b>We are computational thinkers</b></p> <p>I can find the best routes on a map.</p> <p>I can work out the smallest number of coins needed to make change and write an algorithm for it.</p> <p>I can use random, linear and binary search to play 'Guess the Number' and write algorithms for them.</p> <p>I can sort yoghurt pots into order, using an algorithm and quicksort.</p> <p>I understand that some sorting methods are better than others.</p>	<p><b>We are publishers</b></p> <p>I can help plan a magazine/yearbook.</p> <p>I can develop pages for the magazine/yearbook.</p> <p>I can use collaborative software to plan and create.</p> <p>I can word-process text to a good standard.</p> <p>I can find and add images and other media to my pages.</p> <p>I can spot and correct errors in content.</p> <p>I understand the principles of good design.</p> <p>I can provide constructive feedback to others.</p> <p>I can compare the cost of printing options.</p>	<p><b>We are connected</b></p> <p>I know how to have a civil discussion online.</p> <p>I know how search results are selected and ranked.</p> <p>I can search for information on a topic.</p> <p>I can write a post on a topic.</p> <p>I can comment on others' posts.</p> <p>I can argue effectively, using sources.</p> <p>I can counter an argument respectfully</p> <p>I can judge the reliability of an online source</p> <p>I know how to deal with online bullying.</p>	<p><b>We are advertisers</b></p> <p>I know what makes a good advert.</p> <p>I can storyboard a video.</p> <p>I shoot video footage to a high standard.</p> <p>I can use search tools to find high-quality media.</p> <p>I can import footage/media into editing software.</p> <p>I can edit my footage to a high standard.</p> <p>I can export a completed advert.</p>	<p><b>We are AI developers</b></p> <p>I can create and train a decision tree classifier.</p> <p>I can use speech recognition in my own programs.</p> <p>I can explain the role of input nodes in a neural network.</p> <p>I can train and test my own image recognition classifier.</p> <p>I can train a text classifier.</p> <p>I can modify a program to automate a user's actions</p>