

COMPUTING SKILLS

Year 1			
	National Curriculum Assessment criteria	skills	Suggested software/ App
Key Skills		<p>I can Independently log onto the school network.</p> <p>I can Independently log off and shut down hardware.</p> <p>I can navigate cursor to different points on the screen.</p> <p>Can recognise the letters in their name on the keyboard.</p>	
Finding things out		<p>I can open internet explorer.</p> <p>I can access the internet using favourites.</p> <p>I can use the search tool to find specific information.</p>	<p>Internet explorer</p> <p>Safari</p> <p>Google</p>
Using Sound		<p>I can record sounds using a computer program or iPad app.</p>	<p>Garage Band</p> <p>Isle of Sound</p> <p>Audio Boom</p>
Word processing	<ul style="list-style-type: none"> Use technology purposefully to create, organise, store, manipulate and retrieve digital content 	<p>I can open a new document.</p> <p>I can use the keyboard to enter text.</p> <p>I can save my document.</p> <p>I can print my work.</p> <p>I can use Save as to save changes.</p> <p>I can re-open a document.</p> <p>I can change the font.</p> <p>I can change the size of the font.</p> <p>I can change the colour of the font.</p> <p>I can use word art.</p>	<p>MS Word</p> <p>Pages</p> <p>Evernote</p>
Presentation Software		<p>I can open a new document.</p> <p>I can use the keyboard to enter text onto a slide.</p> <p>I can insert a new slide.</p> <p>I can insert a picture onto my slide.</p> <p>I can play my slide show.</p> <p>I can save my work.</p>	<p>PowerPoint</p> <p>Smart Notebook</p> <p>Keynote</p> <p>Prezzi</p> <p>Photostory</p> <p>2Create a Story</p>

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		I can re-open my presentation.	
Publishing		I can find and open the comic strip app (or similar) I can insert text into a template. I can insert a picture into a template.	MS Publisher Comic Life Insta-collage I Book creator
Photos		I can take a photo using a digital camera. I can take a photo using the iPads.	MS Photoviewer Iphoto Colour Splash Colour effect Brushes
Video		I can use exported photos in photo story (or similar software) as a video.	iPad video Imovie Green Screen
Animation		I can to create a short animation. use puppet pals app (or similar)	Imotion HD Imovie Morfo Stop motion Puppet Pals Story Maker Crazy Talk
iPads		I can turn an iPad on. I can choose and start an app. I can use the home button to return to the home screen.	
Programming And Gaming	<ul style="list-style-type: none"> understand what algorithms are; how they are implemented as programs on digital 	I can explore a range of control toys and devices such as remote control toys and Bee-Bots I can follow and create a series of simple instructions to move around a course	Scratch Scratch Jr Daisy Dino Cargo Bot

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	<p>devices; and that programs execute by following precise and unambiguous instructions</p> <ul style="list-style-type: none"> • create and debug simple programs • use logical reasoning to predict the behaviour of simple programs • recognise common uses of information technology beyond school 	<p>I can explore outcomes when buttons are pressed on a programmable device or icons/objects are clicked on a computer screen.</p> <p>I have experiences of controlling other devices such as sound recording devices, music players, digital cameras, iPads, Wiis, Xbox Kinect, Dance mats.</p> <p>While navigating around a course on a computer I can predict what will happen once the next command is entered.</p>	<p>Blue Bot Beebot Koadable Tynker Lightbot Crazy gears Coddy Free</p>
<p>E-safety</p> <p>See additional year group planning</p>	<ul style="list-style-type: none"> • Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies. 	<p>I can navigate age appropriate websites</p> <p>I know not everything on the internet is true</p> <p>I understand people can communicate with other people online.</p> <p>I can publish to a blog for others to view</p> <p>I can follow WENTWORTH e-safety rules</p> <p>I understand the consequences if I do not act responsibly when using the internet or iPads.</p> <p>I know not to give out my home address or any other information that could be used to identify me.</p> <p>I know what to do if I see anything I am unhappy with or receive a message I do not like.</p> <p>I know what to do if I find something inappropriate online.</p>	

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Year 2			
	National Curriculum Assessment criteria	skills	Suggested software/ App
Key Skills		<p>I can save and load my work to a given location.</p> <p>I can understand the primary functions of the alphabet keyboard keys.</p> <p>I can understand the function of a space bar and return key.</p>	
Finding things out		<p>I can enter a URL to find a website.</p> <p>I can bookmark favourite sites.</p>	<p>Internet explorer</p> <p>Safari</p> <p>Google</p>
Using Sound		<p>I can show confidence when using computer programs or apps to record sounds.</p>	<p>Garage Band</p> <p>Isle of Sound</p> <p>Audio Boom</p>
Word processing	<ul style="list-style-type: none"> Use technology purposefully to create, organise, store, manipulate and retrieve digital content 	<p>I can change the layout of the text using the justification tab.</p> <p>I can change the page size.</p> <p>I can change the margins.</p> <p>I can use the spell check tool.</p> <p>I can use find and replace.</p> <p>I can cut, copy and paste within a document.</p> <p>I can cut copy and paste across documents.</p> <p>I can highlight text.</p> <p>I can use bullet points.</p> <p>I can insert a picture.</p> <p>I can use the undo/redo tab.</p>	<p>MS Word</p> <p>Pages</p> <p>Evernote</p>
Presentation Software		<p>I can change the background colour of each slide.</p> <p>I can change the transition between each slide.</p> <p>I can add animation to my slides.</p>	<p>PowerPoint</p> <p>Smart Notebook</p> <p>Keynote</p> <p>Prezzi</p> <p>Photostory</p> <p>2Create a Story</p>

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Publishing		<p>I can open a new publisher document.</p> <p>I can open a template document.</p> <p>I can enter text.</p> <p>I can change font styles in my document.</p> <p>I can insert a text box and enter text.</p> <p>I can insert a picture box.</p> <p>I can use word art in my document.</p>	<p>MS Publisher</p> <p>Comic Life</p> <p>Insta-collage</p> <p>I Book creator</p>
Photos		<p>I can export pictures from the camera.</p> <p>I can import pictures into applications and documents.</p>	<p>MS Photoviewer</p> <p>Iphoto</p> <p>Colour Splash</p> <p>Colour effect</p> <p>Brushes</p>
Video		<p>I can use video recording equipment.</p> <p>I can use photo story (or similar software) to import my own photos.</p>	<p>iPad video</p> <p>Imovie</p> <p>Green Screen</p>
Animation		<p>I can plan my animation using a comic strip.</p> <p>I can use I-motion app (or similar) to create a short animation.</p>	<p>Imotion HD</p> <p>Imovie</p> <p>Morfo</p> <p>Stop motion</p> <p>Puppet Pals</p> <p>Story Maker</p> <p>Crazy Talk</p>
iPads		<p>I can use the volume control and mute buttons.</p> <p>I can use chosen apps to support my learning in curriculum areas.</p>	
Programming And Gaming	<ul style="list-style-type: none"> understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and 	<p>I can create a sequence of instructions to control a programmable device.</p> <p>I can control a real or virtual device using appropriate buttons, make predictions and estimate distances and turns.</p> <p>I have explored a range of control devices such as a sound recorders, cameras and other devices.</p> <p>I can describe the use of controlling other devices through a sequence</p>	<p>Scratch</p> <p>Scratch Jr</p> <p>Daisy Dino</p> <p>Cargo Bot</p> <p>Blue Bot</p> <p>Beebot</p> <p>Koadable</p>

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	<p>unambiguous instructions</p> <ul style="list-style-type: none"> • create and debug simple programs • use logical reasoning to predict the behaviour of simple programs • recognise common uses of information technology beyond school 	<p>of commands such using Google maps to plan a route from home to school or setting up playlists in iTunes.</p> <p>I know a programmable device needs to be given an instruction before it will work.</p>	<p>Tynker Lightbot Crazy gears Coddy Free</p>
<p>E-safety</p> <p>See separate E-Safety Year group planning</p>	<ul style="list-style-type: none"> • Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies. 	<p>I can navigate age appropriate websites</p> <p>I know not everything on the internet is true</p> <p>I understand people can communicate with other people online.</p> <p>I can publish to a blog for others to view</p> <p>I can follow WENTWORTH E-Safety rules</p> <p>I understand the consequences if I do not act responsibly when using the internet or iPads.</p> <p>I know not to give out my home address or any other information that could be used to identify me.</p> <p>I know what to do if I see anything I am unhappy with or receive a message I do not like.</p> <p>I know what to do if I find something inappropriate online.</p>	

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Year 3 and 4			
	National Curriculum Assessment criteria	skills	Suggested software/ App
Finding things out	<ul style="list-style-type: none"> • understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration • use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content 	<p>I can use a search engine to find information and realize the importance of choosing key words to find information efficiently.</p>	<p>Internet explorer Safari Google</p>
Using Sound		<p>I can access music files stored on Multimedia drive to include in my recording. I can export my recording as an MP3 file.</p>	<p>Garage Band Isle of Sound Audio Boom</p>
Word processing	<p>select, use and combine a variety of software (including internet services) on a range</p>	<p>I can edit a paragraph within my document. I can change the spacing of a document. I can edit the page layout. I can insert a table. I can use multi-level lists within my document using bullet points.</p>	<p>MS Word Pages Evernote</p>

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	of digital devices to design and create a range of	I can insert a picture and edit the layout using text wrap, forward and backward.	
Presentation Software	programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information	<p>I can insert a sound or music file into my presentation.</p> <p>I can insert a video file into my presentation.</p> <p>I can evaluate slides and recognize the features of a good design.</p> <p>I can use Smart notepad to present my ideas to an audience.</p>	<p>PowerPoint</p> <p>Smart Notebook</p> <p>Keynote</p> <p>Prezzi</p> <p>Photostory</p> <p>2Create a Story</p>
Publishing		<p>I can use the arrange tool to change the position of part of my document.</p> <p>I can format the background of my document.</p> <p>I can insert a new page into my document.</p> <p>I can edit the boarders within my document (thickness and colour)</p> <p>I can use the shape tools.</p>	<p>MS Publisher</p> <p>Comic Life</p> <p>Insta-collage</p> <p>I Book creator</p>
Photos		I can crop and resize my photos to fit a purpose.	<p>MS Photoviewer</p> <p>Iphoto</p> <p>Colour Splash</p> <p>Colour effect</p> <p>Brushes</p>
Video		I can export my video onto the computer.	<p>iPad video</p> <p>Imovie</p> <p>Green Screen</p>
Animation		<p>I can export my animation into iMovie.</p> <p>I can add sound to my animation using editing software.</p>	<p>Imotion HD</p> <p>Imovie</p> <p>Morfo</p> <p>Stop motion</p> <p>Puppet Pals</p> <p>Story Maker</p> <p>Crazy Talk</p>

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iPads		<p>I can independently access the iPads to enhance my learning.</p> <p>I can return the iPads to charge.</p>	
Spreadsheets		<p>I can use an on-screen calculator</p> <p>I can produce a graph using 2calculate (or similar software)</p> <p>I can enter labels into a cell</p> <p>I can enter numbers into a cell</p> <p>I can adjust column widths</p> <p>I can use colour to make spreadsheets clearer.</p> <p>I can copy cells</p>	MS Excel
Programming And Gaming	<ul style="list-style-type: none"> • design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts • use sequence, selection, and repetition in programs; work with variables and various forms of input and output • use logical reasoning to explain how some simple algorithms 	<p>I can plan a sequence of instructions for a device using more complex commands.</p> <p>I can solve problems with a real or virtual device. (identify errors in a sequence of instructions)</p> <p>I can plan a set of instructions using standard programming notation (flow charts symbols)</p> <p>I can create an instruction or set of instructions with the shortest number of commands to create a desired effect by using procedures.</p>	<p>Scratch</p> <p>Scratch Jr</p> <p>Daisy Dino</p> <p>Cargo Bot</p> <p>Blue Bot</p> <p>Beebot</p> <p>Koadable</p> <p>Tynker</p> <p>Lightbot</p> <p>Crazy gears</p> <p>Coddy Free</p>

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	<p>work and to detect and correct errors in algorithms and programs</p>	<p>Games I can combine commands for simple effects such as moving and turning a character I can analyse code I have created and make alterations to it to improve the game and correct mistakes. I can use graphics, sound etc. to make the game more engaging.</p>	
<p>E-safety See additional year group planning</p>	<ul style="list-style-type: none"> • Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. 	<p>I am aware of rules and understand that they exist to help keep me safe when online. I am aware of WENTWORTH E-Safety rules and adopt these when using the internet and other technologies. I am aware of the consequences of not following the rules. I know I should behave online as I would in the real world: respecting other peoples' views. I understand the concept of personal safety in real life and online life. I understand the importance of keeping personal information private. I can explore the difference in communicating face-to-face and online. I can use new technologies showing responsible behaviours. I am aware of the negative impact cyber bullying can have on its victims and am aware of where I can go for help and advice if I need to. I can explore the validity of information on the internet. I can make sensible and considered judgments about whether or not to trust online content</p>	

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Year 5			
	National Curriculum Assessment criteria	skills	Suggested software/ App
Key Skills		<p>I can create, insert and modify tables and charts.</p> <p>I can select appropriate software for the purpose of a task</p> <p>I can select and use suitable functions, applications and features in order to create high quality documents or work.</p>	
Finding things out	<ul style="list-style-type: none"> understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content 	<p>I can ensure the use of accurate information when researching.</p>	<p>Internet explorer</p> <p>Safari</p> <p>Google</p>
Using Sound		<p>I can use sound recording skills to present my learning in other areas.</p> <p>I can show an understanding of how to use the equipment within the radio station.</p>	<p>Garage Band</p> <p>Isle of Sound</p> <p>Audio Boom</p>

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Word processing	<ul style="list-style-type: none"> select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information 	<p>I can edit the indents within my document. I can edit the header and footer. I can insert a hyperlink.</p>	<p>MS Word Pages Evernote</p>
Presentation Software		<p>I can use various multimedia programs to present my work. I can create hyperlinks to pages within presentations. I can evaluate multimedia pages and recognise the features of good page design to improve my own work. My work includes: Video, Images, Visual effects, Sound and Animation, to convey meaning and purpose.</p>	<p>PowerPoint Smart Notebook Keynote Prezzi Photostory 2Create a Story</p>
Publishing		<p>I can use publishing software to create documents for a given purpose/audience. My work includes: Video, Images, Visual effects, Sound and Animation, to convey meaning and purpose.</p>	<p>MS Publisher Comic Life Insta-collage I Book creator</p>
Photos		<p>I can re-colour photos to create an effect.</p>	<p>MS Photoviewer Iphoto Colour Splash Colour effect Brushes</p>
Video		<p>I can edit my video recordings using iMovie (or similar editing software)</p>	<p>iPad video Imovie Green Screen</p>
Animation		<p>I can create an animation for an audience.</p>	<p>Imotion HD Imovie Morfo Stop motion Puppet Pals Story Maker Crazy Talk</p>

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iPads		<p>I can independently access the ipads to enhance my learning. I can return the ipads to charge.</p>	
Spreadsheets		<p>I can change data in a cell. I can enter a formula to add the contents of 2 cells. I can use SUM to add up numbers in a row or column. I can copy a formulae to create a table. I can create graphs from my data. I use spreadsheets to collate and analyse information. I can create and use a spreadsheet for a purpose.</p>	MS Excel
Programming And Gaming	<ul style="list-style-type: none"> • design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts • use sequence, selection, and repetition in programs; work with variables and various forms of input and output 	<p>I can identify input and output devices in real life situations. I can write a sequence of instructions to control input and output devices using real (if possible) or virtual on screen devices</p>	<p>Scratch Scratch Jr Daisy Dino Cargo Bot Blue Bot Beebot Koadable Tynker Lightbot Crazy gears Cobby Free</p>

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	<ul style="list-style-type: none"> • use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs 	<p>Games</p> <p>I can refine and combine procedures to solve more complex problems.</p> <p>I can copy or repeat commands to make code as short as possible.</p> <p>I can add conditions to events in a program e.g. if your car drives over an odd number, end the game</p>	
<p>E-safety</p> <p>See additional year group planning</p>	<ul style="list-style-type: none"> • Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. 	<p>I am aware of rules and understand that they exist to help keep me safe when online.</p> <p>I am aware of WENTWORTH E-Safety rules and adopt these when using the internet and other technologies.</p> <p>I am aware of the consequences of not following the rules.</p> <p>I know I should behave online as I would in the real world: respecting other peoples' views.</p> <p>I understand the concept of personal safety in real life and online life.</p> <p>I understand the importance of keeping personal information private.</p> <p>I can explore the difference in communicating face-to-face and online.</p> <p>I can use new technologies showing responsible behaviours.</p> <p>I am aware of the negative impact cyber bullying can have on its victims and am aware of where I can go for help and advice if I need to.</p> <p>I can explore the validity of information on the internet.</p> <p>I can make sensible and considered judgments about whether or not to trust online content</p>	

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Year 6			
	National Curriculum Assessment criteria	skills	Suggested Software/App
Finding things out	<ul style="list-style-type: none"> understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content 	<p>I can ensure the use of accurate information when researching. When researching I skim read and modify my search if needed.</p>	<p>Internet explorer Safari Google</p>
Using Sound		<p>I can use sound recording skills to present my learning in other areas. I can take on a role within the radio station.</p>	<p>Garage Band Isle of Sound Audio Boom</p>
		<p>I can edit the indents within my document.</p>	<p>MS Word</p>

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Word processing	<ul style="list-style-type: none"> select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information 	<p>I can edit the header and footer. I can insert a hyperlink. I can insert page breaks. I can use previously taught skills effectively within my document.</p>	<p>Pages Evernote</p>
Presentation Software		<p>I can use various multimedia programs to present my work. I can create hyperlinks to pages within presentations. I can evaluate multimedia pages and recognise the features of good page design to improve my own work. My work includes: Video, Images, Visual effects, Sound and Animation, to convey meaning and purpose.</p>	<p>PowerPoint Smart Notebook Keynote Prezzi Photostory 2Create a Story</p>
Publishing		<p>I can use publishing software to create documents for a given purpose/audience. My work includes: Video, Images, Visual effects, Sound and Animation, to convey meaning and purpose.</p>	<p>MS Publisher Comic Life Insta-collage I Book creator</p>
Photos		<p>I can re-colour photos to create an effect.</p>	<p>MS Photoviewer Iphoto Colour Splash Colour effect Brushes</p>
Video		<p>I can edit my video recordings using iMovie (or similar editing software)</p>	<p>iPad video Imovie Green Screen</p>
Animation		<p>I can create an animation for an audience.</p>	<p>Imotion HD Imovie Morfo Stop motion Puppet Pals Story Maker Crazy Talk</p>

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iPads		<p>I can independently access the ipads to enhance my learning.</p> <p>I can return the ipads to charge.</p>	
Spreadsheets		<p>I can change data in a cell.</p> <p>I can enter a formula to add the contents of 2 cells.</p> <p>I can use SUM to add up numbers in a row or column.</p> <p>I can copy a formulae to create a table.</p> <p>I can create graphs from my data.</p> <p>I use spreadsheets to collate and analyse information.</p> <p>I can create and use a spreadsheet for a purpose</p>	MS Excel
Programming And Gaming	<ul style="list-style-type: none"> • design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts • use sequence, selection, and repetition in programs; work with variables and various forms of input and output • use logical reasoning to explain how some 	<p>I can identify input and output devices in real life situations.</p> <p>I can write a sequence of instructions to control input and output devices using real (if possible) or virtual on screen devices</p> <p>I can apply my knowledge of control sequences in terms of inputs and outputs and draw simple flow diagrams to explain what is happening.</p> <p>I can make outputs react to conditions met by inputs e.g. if it gets dark, turn lights on.</p> <p>Games</p> <p>I can refine and combine procedures to solve more complex problems.</p> <p>I can copy or repeat commands to make code as short as possible.</p> <p>I can add conditions to events in a program e.g. if your car drives over an odd number, end the game</p> <p>I can create a game for an audience considering level of difficulty.</p> <p>I can refine a game based on audience feedback.</p>	<p>Scratch</p> <p>Scratch Jr</p> <p>Daisy Dino</p> <p>Cargo Bot</p> <p>Blue Bot</p> <p>Beebot</p> <p>Koadable</p> <p>Tynker</p> <p>Lightbot</p> <p>Crazy gears</p> <p>Coddy Free</p>

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	<p>simple algorithms work and to detect and correct errors in algorithms and programs</p>		
<p>E-safety See additional year group planning</p>	<ul style="list-style-type: none"> • Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. 	<p>I am aware of rules and understand that they exist to help keep me safe when online. I am aware of WENTWORTH E-Safety rules and adopt these when using the internet and other technologies. I am aware of the consequences of not following the rules. I know I should behave online as I would in the real world: respecting other peoples' views. I understand the concept of personal safety in real life and online life. I understand the importance of keeping personal information private. I can explore the difference in communicating face-to-face and online. I can use new technologies showing responsible behaviours. I am aware of the negative impact cyber bullying can have on its victims and am aware of where I can go for help and advice if I need to. I can explore the validity of information on the internet. I can make sensible and considered judgments about whether or not to trust online content</p>	