

St Edwards Primary School - Computing Progression Map

	Basic Computer Use	Research and the Internet	Digital Media and Animation	Spreadsheet graphing and databases	Presentation	Programming	E-Safety
FS	<p>Know how to press buttons and move things on an interactive whiteboard to make things happen.</p> <p>Can control a mouse/cursor and use it to select items.</p> <p>Can complete a task picked out for them with support.</p>		<p>Knows how to use different hardware to play and record sounds. E.g Talking Tins, Flip Cameras etc.</p> <p>Take photos.</p> <p>Create photo stories by putting photos in order.</p> <p>Say or Type captions to go with photo stories. (Clicker, Textease etc)</p> <p>Watch videos as a class.</p> <p>Use Education City to play games linked to the ELGs being worked on.</p>		<p>To use Paint programmes to create and experiment with creating art work independently.</p>	<p>Can follow verbal instructions relating to directions.</p> <p>Programme BeeBots to move in different directions.</p> <p>Predict where a Beebot sequence will finish.</p>	<p>Understand that computers are very useful but that we need to use them with an adult/the permission of an adult.</p> <p>Understand how to digital technology in a safe and responsible manner.</p> <p>Link to KS1 E-Safety video</p>

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Y1	<p>Can control a mouse and use it to make things happen.</p> <p>Can log into the school network using their year group log in.</p> <p>Can locate and press specified letters on a keyboard as well as the delete and backspace button.</p> <p>Can save/retrieve their work from given locations.</p> <p>Can write information into single sentences using Word, Textease or Clicker.</p> <p>Know how to print their work.</p>	<p>Can open Internet Explorer including clicking a shortcut.</p> <p>Can use a child friendly search engine to search for a picture on the internet.</p> <p>Use a given website to find information.</p> <p>Can explain how or why you may need to use these skills outside of school.</p>	<p>Use play, record, stop and pause on a variety of hardware to play/record pictures, sound and video.</p> <p>Take a digital photo, review digital photographs</p> <p>Order photos to create a simple photo story.</p> <p>Change the size of pictures within my work.</p>		<p>Use the keyboard to add words to my work.</p> <p>Use different pen and brush sizes on a computer programme.</p> <p>Use straight line and shape tools.</p> <p>Use stamp, fill and spray tools when creating images online.</p>	<p>Carry out role play activities to understand an algorithm.</p> <p>Give BeeBot instructions and fix mistakes when programming BeeBots.</p> <p>Read BeeBot instructions and predict what will happen before programming.</p> <p>Know that a computer program is just a set of instructions for a computer to follow.</p>	<p>Give examples of personal and impersonal information and know when to share information with appropriate people.</p> <p>Know what to do if we meet a stranger (in real life or on the internet).</p> <p>Know what to do if we see something at not nice on the internet.</p> <p>Links to KS1 E-Safety video.</p>

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Y2	<p>Can log onto the school network using their personal log in.</p> <p>Can use the space bar, backspace and enter keys.</p> <p>Can use copy and paste using the toolbar.</p> <p>Can write in text boxes that have been provided.</p> <p>Able to edit their work as they go along.</p> <p>Can save my work in my own folder.</p> <p>Can find and open saved work, make changes and resave.</p>	<p>Can use a selection of given websites to find information.</p> <p>Able to locate a website using the address bar.</p> <p>Can open links and play games on the internet.</p> <p>Able to explain why you might do the above outside of school.</p> <p>Understand that messages can be sent via the Internet. (Not necessarily sending emails, just concept of including online messaging/Apps etc)</p>	<p>Can create a simple photostory presentation with text and photos.</p>	<p>Can search a database (textease database).</p> <p>Can add data to a database and show it as a graph (textease database).</p> <p>Can make a pictogram (textease database).</p>	<p>Can change the size, type and colour of the font within any programme being used.</p> <p>Can use the bold, italic and underline buttons correctly from the toolbar.</p> <p>Able to insert a relevant clipart.</p> <p>Can create and play a basic PowerPoint presentation combining text and images.</p>	<p>Can use the keyboard to navigate an icon on the screen and complete simulations (see links to games to support on sheet)</p> <p>Able to give a BeeBot 2 step instructions and fix mistakes.</p> <p>Able to set a challenge and talk about the algorithm and steps.</p> <p>Hour of code - Course 1.</p>	<p>Can explain why some people online may not be reliable.</p> <p>Knows what to do if we meet a stranger (in real life or on the internet).</p> <p>Knows what to do if we see something not nice on the internet and how to report it.</p> <p>Understands what Cyber-Bullying is and how to report it.</p> <p>Can explain why some information online may not be reliable.</p> <p>Links to KS1 E-Safety video.</p>

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Y3	<p>Able to use punctuation keys including those requiring the use of the shift key.</p> <p>Knows how to use scroll bars and arrow keys.</p> <p>Can find folders on the network.</p> <p>Can use minimise and maximise buttons for multiscreen and knows what a multiscreen is.</p> <p>Can use the cut button as well as copy and paste.</p>	<p>Able to understand that the internet is out there and not inside your computer.</p> <p>Can understand that you need to be connected to the internet for it to work.</p> <p>Can use a search engine (e.g. Google) to find information on a topic.</p> <p>Knows how to save pictures from the internet to use in their work.</p> <p>Can add websites to your favourites list and re-visit using favourites.</p>	<p>Create a photostory with effective narration and music.</p> <p>Take photos using zoom/angles.</p> <p>Record my voice. (Digital Mics)</p>	<p>Create and format a bar chart with given data. (textease database)</p>	<p>Can animate each box/slide or picture on a PowerPoint.</p> <p>Able to insert sounds and music into a PowerPoint.</p> <p>Can change the position of a picture in my work (text wrap).</p> <p>Can change text position (left, right, centre).</p> <p>Use software to crop, resize and rotate photos and pictures.</p>	<p>Write down then program a robot with instructions to complete a route.</p> <p>Review and adjust my instructions as necessary - Textease turtle.</p> <p>Complete computer simulation tasks that mimic a real-life scenario (see links sheet).</p> <p>Can decompose complex problems into simple steps.</p> <p>*All covered within Hour of Code - course 2*</p>	<p>Knows what to do if we meet a stranger (in real life or on the internet).</p> <p>Knows what to do if we see something not nice on the internet.</p> <p>Know how to keep personal information safe by using passwords.</p> <p>Knows St Edward's code of practice and knows why each one is important.</p> <p>Links to KS1/Y3 E-Safety video.</p>

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Y4	<p>To know and use keyboard shortcuts to perform tasks quickly. -CTRL C -CTRL V</p> <p>To be able to recognise signals from spell check that something is incorrect and know how to change it.</p> <p>To know how to use the thesaurus tools to improve their own writing or writing that has been provided for them.</p>	<p>To understand that the internet is thousands of connected computers, each having different pieces of information on them.</p> <p>To understand that search engines collect and store information and help us to find information that we are looking for.</p> <p>To know that not all information on the internet is true.</p> <p>To visit a variety of websites and know how to select the most relevant information.</p> <p>To send and receive messages to someone in my class.</p>	<p>To create an animated movie using cameras and Movie Maker.</p>	<p>Create and format a bar chart after collecting their own data (textease database)</p> <p>To know what databases are and what they are used for.</p>	<p>To add frames and borders to a word document.</p> <p>To know how to create a hyperlink within work.</p>	<p>Use sequence, selection, and repetition in programs; work with variables and various forms of input and output .</p> <p>Can decompose complex problems into simple steps.</p> <p>*All covered hour of code - Course 2 be specific from what point*</p>	<p>Knows what to do if we meet a stranger (in real life or on the internet).</p> <p>Knows what to do if we see something not nice on the internet</p> <p>Can identify situations online when I need to be aware of my safety.</p> <p>Understands who to report online/digital mistakes to.</p> <p>Understand how to identify scam/inappropriate emails/messages.</p> <p>Links to KS2 E-Safety video.</p>

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Y5	<p>Knows how to insert headers and footers.</p> <p>Can change and adjust margins</p>	<p>Understands that the internet is not the same thing as a web browser. (A web browser allows you to view the internet, but you can open a browser even when not connected to the internet.)</p> <p>To understand how computer networks function (e.g. school network) and be able to access shared drives.</p> <p>To understand the role of a server.</p> <p>Understand that some information, images and videos on the internet are copyright protected and we need to check with the owner before we use them.</p>	<p>Can create a movie with title page, credits and music/recordings.</p>	<p>To understand what a spreadsheet is used for.</p> <p>Understands the difference between rows and columns of data.</p> <p>Knows how to enter numerical data and create graphs (MS Excel)</p>	<p>Choose a programme to present your work to a high standard.</p>	<p>Can decompose complex problems into simple steps.</p> <p>To create music, animation and games using Scratch/ Hour of Code</p>	<p>Knows what to do if we meet a stranger (in real life or on the internet).</p> <p>Knows what to do if we see something not nice on the internet.</p> <p>Know how to report inappropriate content/actions.</p> <p>Can identify situations online when I need to be aware of my safety.</p> <p>Links to KS2 E-Safety video.</p>

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Y6	Use all previous year's points competently.	<p>To send and receive messages to someone beyond my local network. (links with other schools?)</p> <p>Can competently use email and other forms of electronic communication.</p>	<p>Tries out different electronic instruments and sounds.</p> <p>Can make and record a tune for two or more instruments.</p> <p>Is able to mix and play sounds.</p> <p>Can use saved tunes within other pieces of my work.</p> <p>(Scratch?)</p>	<p>Able to use basic formula in rows and columns. (MS Excel)</p> <p>Can align data within a cell. (Excel)</p> <p>Knows how to change the width of columns and height of rows. (Excel)</p> <p>Can insert and delete columns and rows. (Excel)</p> <p>Add legend, axes titles etc. (Excel graphs)</p>	Choose a programme to present your work to a high standard.	Can control a character (virtual) or machine (physical). Flowol?	<p>Knows how to communicate safely on the internet focus on social networking, chatrooms and other online communication)</p> <p>www.thinkuknow.co.uk</p> <p>Can describe strategies for issues of personal safety online.</p> <p>Is able to discuss and demonstrate good online etiquette.</p> <p>Understands the pros and cons (uses and misuses) of social media.</p> <p>Links to KS2 E-Safety video.</p>