

Computing Progression of Skills



	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
E safety	I can use technology in a safe way. I can explore the internet to find information.	I can say what information is private. I know to tell an adult if I see something worrying online. I can recognise unkind behaviour online.	I know how to avoid sharing personal information online. I know what a good online friendship looks like. I can use the SMART rules to help me navigate safely online. I recognise that some information I see online is not true. I can tell an adult about anything worrying I have seen online.	I can say who will help and who I should tell if I see something worrying online. I can use advanced internet searching to authenticate facts. I can say what make a password strong. I can say how to create a positive online reputation.	I have a clear understanding of behaviour which is online bullying. I can explain what to do if I see anything worrying at home or at school. I can explain what fake news is. I can discuss ways in which technology has a negative impact on people's lives.	I can identify information which can be shared online. I can identify sources of support for inappropriate behaviour online. I can identify advantages and disadvantages of social media.	I can discuss ways to manage online gaming and chat sites safely. I can identify trusted adults to discuss worrying online behaviour with. I can decide what I should share appropriately.
Computer systems and networks	I can operate simple equipment, I can explore toys and real-life objects with technological applications.	I can choose a piece of technology to do a job. I can list some ways technology is used. I can name the main parts of a computer.	I can describe some uses of IT in and out of school. I can find, edit, save and open files I am working on from My Work.	I can explain how a computer network shares information. I can explain different parts in a network. I can identify network devices around me.	I can use a search engine.	I can refine a search using well-chosen search terms. I can interpret the results of a search. I can identify ways in which my information is shared online.	I can compare the results from different search engines. I can show that different search terms produce different results. I can choose search terms I can choose an appropriate method of internet communication for a given purpose. I can evaluate different methods of online communication.

Creating media	<p>I can draw an image on a tablet or computer.</p>	<p>I can use a mouse in different ways. I can use a keyboard to type. I can use the keyboard to edit. I can use technology safely. I can combine tools to create artwork I can change the appearance of text.</p>	<p>I can capture a digital image. I can use filters to edit a photograph. I know how to save my work.</p>	<p>I can plan an animation using a storyboard. I can use the onion skinning tool. I can review a completed project. I can add and edit text in a placeholder. I can move and resize images.</p>	<p>I can record sounds digitally. I can edit sounds. I can edit sounds. I can manipulate a digital image. I can use different tools in my editing. I know that images can be faked.</p>	<p>I can identify sound files. I can save and export audio files. I can discuss impact of edits made to a sound file. I can review the edits made to an image. I can explain how images can be faked.</p>	<p>I can review an existing website. I can create a new webpage with text, media, and hyperlinks. I can add my webpage to a website. I can create 3D graphical objects on a screen. I can modify an object. I can use blank objects as placeholders to create holes I can modify, select, and combine objects.</p>
Data handling		<p>I can group objects to answer a question.</p>	<p>To enter data into a computer. I can answer comparison questions using a computer.</p>	<p>I can retrieve information from a branching database. I can create questions with yes/no answers.</p>	<p>I can choose how often to automatically collect data samples. I can use a computer program to sort by one attribute. I can present data in a table to graph.</p>	<p>To choose different ways to view data. To choose which attribute to sort data by to answer a given question. To choose suitable ways to present information.</p>	<p>I recognise that data can be calculated using different operations. I know that changing inputs changes outputs. I can apply formulas to data including duplication. I can use data to ask and answer questions.</p>
Programming	<p>I know that information can be retrieved from computers I can complete a simple program on a computer.</p>	<p>I can run a program on a device I can predict the behaviour of a programmed toy. I can explain what an algorithm is.</p>	<p>I can choose a series of commands for a program I can debug a program that I have written I can run a program on a device</p>	<p>I can order and build a sequence of commands in a program I can create a sequence of commands to produce a given outcome</p>	<p>I can list an everyday task as a set of instructions including repetition I can use an indefinite loop to produce a given outcome. I can use a count-controlled loop to produce a given outcome. I can plan a program that includes appropriate loops to produce a given outcome. I recognise that tools enable more than one process to run concurrently. I can create 2 or more sequences that run at the same time.</p>	<p>I can create a condition-controlled loop I can use If ... And then statements I can use if... Then... Else statements to produce given outcomes.</p>	<p>I can identify a variable in an existing program I can experiment with the value of an existing variable I can use an event in a program to update a variable I can use a variable in a conditional statement to control the flow of a program</p>

