

## Progression in Computing

	<b>E-safety</b>	<b>Programming (coding)</b>	<b>Data Handling</b>	<b>Multimedia</b>	<b>Technology in our Lives</b>
<b>REC</b>	<p>I can ask an adult when I want to use the Internet.</p> <p>I can tell an adult when something worrying or unexpected happens while I am using the Internet.</p> <p>I can be kind to my friends.</p> <p>I can talk about the amount of time I spend using a computer / tablet / game device.</p> <p>I am careful with technology devices</p>	<p>I can make a floor robot move.</p> <p>I can use simple software to make something happen.</p> <p>I can make choices about the buttons and icons I press, touch or click on.</p>	<p>I can tell you about different kinds of information such as pictures, video, text and sound.</p>	<p>I can move objects on a screen.</p> <p>I can create shapes and text on a screen.</p> <p>I can use technology to show my learning.</p>	<p>I can tell you about technology that is used at home and in school.</p> <p>I can operate simple equipment.</p> <p>I can use a safe part of the Internet to play and learn.</p>
<b>Yr 1</b>	<p>I can keep my password private.</p> <p>I can tell you what personal information is.</p> <p>I can tell an adult when I see something unexpected or worrying online.</p> <p>I can talk about why it's important to be kind and polite.</p> <p>I can recognise an age appropriate website.</p> <p>I can agree and follow sensible e-Safety rules.</p>	<p>I can give instructions to my friend and follow their instructions.</p> <p>I can describe what happens when I press buttons on a robot.</p> <p>I can press the buttons in the correct order to make my robot do what I want.</p> <p>I can describe what actions I will need to do to make something happen and begin to use the word algorithm.</p> <p>I can begin to predict what will happen for a short sequence of instructions.</p>	<p>I can talk about the different ways in which information can be shown.</p> <p>I can use technology to collect information, including photos, video and sound.</p> <p>I can sort different kinds of information and present it to others.</p> <p>I can add information to a pictograph and talk to you about what I have found out.</p>	<p>I can be creative with different technology tools.</p> <p>I can use technology to create and present my ideas.</p> <p>I can use the keyboard or a word bank on my device to enter text.</p> <p>I can save information in a special place and retrieve it again.</p>	<p>I can recognise the ways we use technology in our classroom.</p> <p>I can recognise ways that technology is used in my home and community.</p> <p>I can use links to websites to find information</p> <p>I can begin to identify some of the benefits of using technology.</p>

		<p>I can begin to use software/apps to create movement and patterns on a screen.</p> <p>I can use the word debug when I correct mistakes when I program.</p>			
<b>Yr 2</b>	<p>I can explain why I need to keep my password and personal information private.</p> <p>I can describe the things that happen online that I must tell an adult about.</p> <p>I can talk about why I should go online for a short amount of time.</p> <p>I can talk about why it's important to be kind and polite online and in real life.</p> <p>I know that not everyone is who they say they are on the Internet.</p>	<p>I can give instructions to my friend (using forward, backward and turn) and physically follow their instructions to move in a shape</p> <p>I can tell you the order I need to do things to make something happen and talk about this as an algorithm.</p> <p>I can program a robot or software to do a particular task.</p> <p>I can look at my friend's program and tell you what will happen.</p> <p>I can use programming software to make objects move.</p> <p>I can watch a program execute and spot where it goes wrong so that I can debug it.</p>	<p>I talk about the different ways I use technology to collect information, including a camera, or sound recorder.</p> <p>I can make and save a chart or graph using the data I collect.</p> <p>I can talk about the data that is shown in my chart or graph.</p> <p>I am starting to understand a branching database.</p> <p>I can tell you what kind of information I could use to help me investigate a question.</p>	<p>I can use technology to organise and present my ideas in different ways.</p> <p>I can use the keyboard on my device to add, delete and space text for others to read.</p> <p>I can tell you about an online tool that will help me to share my ideas with other people.</p> <p>I can save and open files on the device I use.</p>	<p>I can tell you why I use technology in the classroom.</p> <p>I can tell you why I use technology in my home and community.</p> <p>I am starting to understand that other people have created the information I use.</p> <p>I can identify benefits of using technology including finding information, creating and communicating.</p> <p>I can talk about the differences between the Internet and things in the physical world.</p>
<b>Yr 3</b>	<p>I can talk about what makes a secure password and why they are important.</p> <p>can protect my personal</p>	<p>I can break an open ended problem up into smaller parts.</p> <p>I can put programming commands into a sequence</p>	<p>I can talk about the different ways data can be organised.</p> <p>I can search a ready-made database to answer</p>	<p>I can create different effects with different technology tools.</p> <p>I can combine a mixture of text, graphics and sound to</p>	<p>I can save and retrieve work on the Internet, the school network or my own device.</p> <p>I can talk about the parts of</p>

	<p>information when I do different things online.</p> <p>I can use the safety features of websites as well as reporting concerns to an adult.</p> <p>I can recognise websites and games appropriate for my age.</p> <p>I can make good choices about how long I spend online.</p> <p>I ask an adult before downloading files and games from the Internet.</p> <p>I can post positive comments online.</p>	<p>to achieve a specific outcome.</p> <p>I keep testing my program and can recognise when I need to debug it.</p> <p>I can use repeat commands.</p> <p>I can describe the algorithm I will need for a simple task.</p> <p>I can detect a problem in an algorithm which could result in unsuccessful programming.</p>	<p>questions.</p> <p>I can collect data help me answer a question.</p> <p>I can add to a database.</p> <p>I can make a branching database.</p>	<p>share my ideas and learning.</p> <p>I can use appropriate keyboard commands to amend text on my device, including making use of a spellchecker.</p> <p>I can evaluate my work and improve its effectiveness.</p>	<p>a computer.</p> <p>I can tell you ways to communicate with others online.</p> <p>I can describe the World Wide Web as the part of the Internet that contains websites.</p> <p>I can use search tools to find and use an appropriate website.</p> <p>I think about whether I can use images that I find online in my own work.</p>
<b>Yr 4</b>	<p>I choose a secure password when I am using a website.</p> <p>I can talk about the ways I can protect myself and my friends from harm online.</p> <p>I use the safety features of websites as well as reporting concerns to an adult.</p> <p>I know that anything I post online can be seen by others.</p> <p>I choose websites and games that are appropriate for my age.</p> <p>I can help my friends</p>	<p>I can use an efficient procedure to simplify a program.</p> <p>I can use logical thinking to solve an open-ended problem by breaking it up into smaller parts.</p> <p>I know that I need to keep testing my program while I am putting it together.</p> <p>I can use a variety of tools to create a program.</p> <p>I can recognise an error in a program and debug it.</p> <p>I recognise that an algorithm will help me to sequence more complex programs.</p> <p>I recognise that using</p>	<p>I can organise data in different ways.</p> <p>I can collect data and identify where it could be inaccurate.</p> <p>I can plan, create and search a database to answer questions.</p> <p>I can choose the best way to present data to my friends.</p> <p>I can use a data logger to record and share my readings with my friends.</p>	<p>I can use photos, video and sound to create an atmosphere when presenting to different audiences.</p> <p>I am confident to explore new media to extend what I can achieve.</p> <p>I can change the appearance of text to increase its effectiveness.</p> <p>I can create, modify and present documents for a particular purpose.</p> <p>I can use a keyboard confidently and make use of a spellchecker to write and review my work.</p> <p>I can use an appropriate</p>	<p>I can tell you whether a resource I am using is on the Internet, the school network or my own device.</p> <p>I can identify key words to use when searching safely on the World Wide Web.</p> <p>I think about the reliability of information I read on the World Wide Web.</p> <p>I can tell you how to check who owns photos, text and clipart.</p> <p>I can create a hyperlink to a resource on the World Wide Web.</p>

	<p>make good choices about the time they spend online.</p> <p>I can talk about why I need to ask a trusted adult before downloading files and games from the Internet.</p> <p>I comment positively and respectfully online.</p>	<p>algorithms will also help solve problems in other learning such as Maths, Science and Design and Technology.</p>		<p>tool to share my work and collaborate online.</p> <p>I can give constructive feedback to my friends to help them improve their work and refine my own work.</p>	
<b>Yr 5</b>	<p>I protect my password and other personal information.</p> <p>I can explain why I need to protect myself and my friends and the best ways to do this, including reporting concerns to an adult. I know that anything I post online can be seen, used and may affect others.</p> <p>I can talk about the dangers of spending too long online or playing a game.</p> <p>I can explain the importance of communicating kindly and respectfully.</p> <p>I can discuss the importance of choosing an age-appropriate website or game.</p> <p>I can explain why I need to protect my computer or device from harm.</p>	<p>I can decompose a problem into smaller parts to design an algorithm for a specific outcome and use this to write a program for a device or onscreen activity.</p> <p>I can use 'if' and 'then' commands to select an action.</p> <p>I can refine a procedure using repeat commands to improve a program.</p> <p>I can talk about how a computer model can provide information about a physical system.</p> <p>I can use logical reasoning to detect and debug mistakes in a program.</p> <p>I use logical thinking, imagination and creativity to extend a program.</p>	<p>I can use a spreadsheet and database to collect and record data.</p> <p>I can choose an appropriate tool to help me collect data.</p> <p>I can present data in an appropriate way.</p> <p>I can search a database using different operators to refine my search.</p> <p>I can talk about mistakes in data and suggest how it could be checked.</p>	<p>I can use text, photo, sound and video editing tools to refine my work.</p> <p>I can use the skills I have already developed to create content using unfamiliar technology.</p> <p>I can select, use and combine the appropriate technology tools to create effects that will have an impact on others.</p> <p>I can select an appropriate online or offline tool to create and share ideas.</p> <p>I can review and improve my own work and support others to improve their work.</p>	<p>I can describe different parts of the Internet.</p> <p>I can use different online communication tools for different purposes.</p> <p>I can use a search engine to find appropriate information and check its reliability.</p> <p>I can recognise and evaluate different types of information I find on the World Wide Web.</p> <p>I can describe the different parts of a webpage.</p> <p>I can find out who the information on a webpage belongs to.</p> <p>I understand how Steve Jobs, James Whale and Bill gates figure in the history of the internet.</p>
<b>Yr 6</b>	I protect my password	I can deconstruct a problem		I can talk about audience,	I can tell you the Internet

	<p>and other personal information.</p> <p>I can explain the consequences of sharing too much about myself online.</p> <p>I support my friends to protect themselves and make good choices online, including reporting concerns to an adult.</p> <p>I can explain the consequences of spending too much time online or on a game.</p> <p>I can explain the consequences to myself and others of not communicating kindly and respectfully.</p> <p>I protect my computer or device from harm on the Internet.</p>	<p>into smaller steps, recognising similarities to solutions used before.</p> <p>I can explain and program each of the steps in my algorithm (for a device or onscreen activity).</p> <p>I can evaluate the effectiveness and efficiency of my algorithm while I continually test the programming of that algorithm.</p> <p>I can recognise when I need to use a variable to achieve a required output.</p> <p>I can use a variable and operators to stop a program.</p> <p>I can link errors in a program to a problem in the algorithm on which it is based.</p>	<p>I can plan the process needed to investigate the world around me.</p> <p>I can select the most effective tool to collect data for my investigation.</p> <p>I can check the data I collect for accuracy and plausibility.</p> <p>I can interpret the data I collect.</p> <p>I can present the data I collect in an appropriate way.</p> <p>I use the skills I have developed to interrogate a database.</p>	<p>atmosphere and structure when planning a particular outcome.</p> <p>I can confidently identify the potential of unfamiliar technology to increase my creativity.</p> <p>I can combine a range of media, recognising the contribution of each to achieve a particular outcome.</p> <p>I can tell you why I select a particular online tool for a specific purpose.</p> <p>I can be digitally discerning when evaluating the effectiveness of my own work and the work of others.</p>	<p>services I need to use for different purposes.</p> <p>I can describe how information is transported on the Internet.</p> <p>I can select an appropriate tool to communicate and collaborate online.</p> <p>I can talk about the way search results are selected and ranked.</p> <p>I can check the reliability of a website.</p> <p>I can tell you about copyright and acknowledge the sources of information that I find online.</p>
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