

John Shelton Primary School – Computing Overview



	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
<u>Coding</u>	<p>I can understand what an algorithm is.</p> <p>I can understand that programmes are made up of a sequence of codes.</p> <p>I can use instructions to control devices or objects on screen.</p> <p>I can solve problems with instructions on and off screen.</p>	<p>I can use algorithms to control devices or objects on screen.</p> <p>I can write a program using instructions and know that this is coding.</p> <p>I can solve problems with instructions on and off screen.</p> <p>I can predict the behaviour of simple programs or code.</p>	<p>I can use algorithms to achieve a specific goal.</p> <p>I can write a program using instructions and know that this is coding.</p> <p>I know that variables can change programs.</p> <p>I can use a repeat and loop command in a code.</p>	<p>I can use algorithms to achieve a specific goal.</p> <p>I can design and write a program using instructions and know that this is coding.</p> <p>I debug programs to solve problems.</p> <p>I understand how inputs can be used in coding to control outputs.</p>	<p>I debug programs to solve problems.</p> <p>I can solve problems by decomposing code into smaller parts.</p> <p>I can work with conditional commands.</p> <p>I understand the algorithm behind each part of a code.</p>	<p>I can write and design programmes.</p> <p>I can debug programmes.</p> <p>I can work with conditional commands and variables within a code.</p> <p>I can explain how an algorithm works.</p>
<u>Using the internet</u>	<p>I can get online and use websites.</p> <p>I can ask a question and find the answer.</p> <p>I can use the internet to find information.</p>	<p>I can get online and use websites.</p> <p>Ask a question and find the answer.</p> <p>I can explore and share information online.</p>	<p>I use the internet safely to find answers to a question.</p> <p>I can use search engines efficiently.</p> <p>I know what to do if I come across inappropriate content.</p>	<p>I can search for information and decide if it is useful.</p> <p>I can use search engines efficiently and know how the results can change depending on words used.</p> <p>I know that not all information on the internet is reliable.</p>	<p>I can search for information and decide if it is useful.</p> <p>I understand how search results are selected.</p> <p>I can compare different information on the internet.</p>	<p>I can use search technologies effectively.</p> <p>I understand how search results are selected.</p> <p>I understand that there are different search engines and they find information differently.</p>

<u>Information</u>	<p>I can add text to pictures.</p> <p>I can record and use sound clips.</p> <p>I can take photographs/videos on cameras and other digital devices.</p> <p>I can move photos.</p> <p>I can use data logger to collect information.</p> <p>I can use software to represent data and information on screen.</p>	<p>I can create presentations for a specific audience.</p> <p>I can publish and share work online.</p> <p>I can take and edit photographs/videos on digital devices.</p> <p>I can save and use recorded sounds.</p> <p>Use a data logger to collect information.</p> <p>I can use software to represent data and information on screen.</p>	<p>I can create and present information using programs.</p> <p>I can publish and share work online for a given audience.</p> <p>I can take and manipulate digital images.</p> <p>I can use sound files to fit the mood of my work.</p> <p>I can create pictograms, bar charts and tables on the computer.</p> <p>I can use data loggers to record and retrieve information.</p>	<p>I can combine and evaluate digital images taking account of the audience.</p> <p>I can publish and share work online.</p> <p>I can think about the audience when creating animations, images or films.</p> <p>I can evaluate my work on the computer.</p> <p>I know that ICT can create different graph types for different purposes.</p> <p>I know difference between a database and a spread sheet.</p>	<p>I can create presentations suited to an audience</p> <p>I can publish and share work online</p> <p>I can create, edit and evaluate digital images</p> <p>I can compose, manipulate and refine music and sound</p> <p>I can create music and sound files thinking about an audience</p> <p>I can use a spread sheet to carry out calculations</p> <p>I can create graphs to show information and present them in a variety of ways.</p>	<p>I can choose the appropriate tools to create images for a task.</p> <p>I can create, edit, evaluate and combine digital images for an audience or task.</p> <p>I can create music to accompany a story, presentation or digital movie.</p> <p>I can create music and sound files thinking about an audience.</p> <p>I can use a spread sheet with formulas, to achieve a task.</p> <p>I can create graphs to show information and present them in a variety of way.</p> <p>I know how a data logger can be used to prove a hypothesis.</p>
<u>E-Safety</u>	<p>I know how to say safe online.</p> <p>I know that if I send messages they can be seen by others.</p> <p>I know who to talk to if I have concerns about being safe online.</p>	<p>I know how to stay safe online.</p> <p>I know adults who I can talk to if I had a problem online.</p> <p>I know I need to keep my password safe.</p> <p>I know that information including images online can be shared at home, school and worldwide.</p>	<p>I know it's important to keep personal information safe.</p> <p>I know what to do if I come across inappropriate content.</p> <p>I know some of the dangers of using the internet.</p> <p>I can keep myself safe online.</p>	<p>I can use passwords to access resources on the web and keep them safe.</p> <p>I understand that I should not talk to strangers online.</p> <p>I can identify rules for keeping safe online.</p> <p>I know what to do if I come across inappropriate content.</p>	<p>I can use technology safely, respectfully and responsibly.</p> <p>I know that it is important to keep information safe online.</p> <p>I know how to prevent and respond to cyber bullying.</p> <p>I know that I can report something that has upset me to CEOPS or talk to ChildLine.</p>	<p>I know that it is important to keep information safe online.</p> <p>I know how to prevent and respond to cyber bullying.</p> <p>I create positive profiles online to be a responsible member of the community.</p> <p>I know that I can report something that has upset me to CEOPS or talk to ChildLine.</p>