



Roe Green Infant School

Computing – Skills Progression



	Reception	Year 1	Year 2
E-Safety	Understands that you can find information from the internet. Understands that we should only access 'safe sites'. (This is taught discretely alongside the curriculum.)	Knows about the internet and beginning to understand some key age appropriate safety 'rules.'	- Can talk about key online safety rules - Understand where to go for help when they have concerns on the internet or other online technologies
Using Computers	- Naming parts of a computer - Complete a simple program on a computer. (This is taught discretely alongside the curriculum.)	Use technology to purposely create digital content	- Recognise common uses of Information technology beyond school - Use technology to purposely create, organise, store, manipulate and retrieve digital content
Understanding Technology (Individual)	- Explores a range of devices in everyday life. Shows an interest in technological toys and equipment. - Shows skill in making toys work by pressing parts or lifting flaps to achieve effects such as sound, movements or new images. (This is taught discretely alongside the curriculum.)	Show an awareness of the range of devices in everyday life.	Show an awareness of the range of inputs to a computer (IWB, mouse, keyboard, microphone, touchscreen etc.)

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Electronic Communication			Children begin to work together to request or share information from their class via email.
Handling Information	Begin to use a simple pictogram programme to show graphics. (whole class) (This is taught discretely alongside the curriculum.)	Begin to use a simple pictogram programme to show graphics.	- Can use a programme to answer questions and create content for a clear purpose (block chart, bar chart, pie chart, line graph) - Can save, retrieve and edit their work.
Digital Images	Uses simple paint packages on a smartboard. (This is taught discretely alongside the curriculum.)	Begin to use simple tools in a paint package	Make straight forward edits of their digital work (text, image) using simple editing tools to both correct or improve it.

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Research		• Begin to show awareness of different information • Whole class, explore information from different sources	• Children to use simple search engines to find information and images. • Children can save, edit and retrieve their work
Control (Algorithms)	• Programming a beebot to move from 'A' to 'B' (This is taught discretely alongside the curriculum.)	• Predict the behaviour of simple programmes. • Understand what algorithms are. • Control everyday devices to see different outcomes.	• Use logical reasoning to predict simple behaviours • Control a device on and off the screen. • create and debug simple programmes • Understand that programs execute by following precise instructions