



Sitwell Infant School

Progression in ICT & Computing

	Recognise common uses of information technology beyond school	Vocabulary
Foundation Stage should...	• Recognise everyday use of technology • Understand and follow simple instructions (algorithms) • Begin to verbally compose simple instructions • Use a simple program on a computer or device	ALGORITHMS INSTRUCTIONS TECHNOLOGY
Year 1 should...	• Recognise a wide range of everyday use of technology • Give instructions to a friend and follow instructions to move around • Describe what happens when they press buttons on a robot • Press the buttons in the correct order to control a device • Understand the word algorithm • Begin to predict what will happen for a short sequence of instructions • Begin to use software/apps to create movement and patterns on a screen • Use the word debug to correct mistakes	ALGORITHMS INSTRUCTIONS TECHNOLOGY DE-BUG
Year 2 should...	• Recognise a wide range of everyday uses of technology and explain its purpose • Give instructions to a friend (using forward, backward and turn- including clock wise and anti-clockwise) and physically follow instructions • Explain the order to make something happen and talk about this as an algorithm • Program a robot or software to do a particular task • Look at a friend's program and explain what will happen • Use programming software to make objects move • Watch a program execute, spot where it goes wrong and amend - debugging	ALGORITHMS INSTRUCTIONS TECHNOLOGY DE-BUG



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	Use technology purposefully to create, organise, store, manipulate and retrieve digital content	Vocabulary
Foundation Stage should ...	- Recognise the letters in their name on a computer keyboard and type their name - Enter letters <u>and</u> numbers using a word processor - Begin to identify the main keys for word processing e.g. space bar, full stop, return key - Start using various tools including brushes and pens in a paint package - Understand that cameras can take still and moving images (video) - Begin to understand that sound can be recorded - Aware that documents can be saved and retrieved	KEYBOARD SPACE BAR FULL STOP RETURN KEY BRUSHES CAMERAS SAVE RETRIEVE
Year 1 should ...	- Develop familiarity with the keyboard – spacebar, backspace, return key, full stop and capital letter - Select appropriate images (from a selection) - Form simple sentences on the screen, making use of a word bank - Use simple tools in a painting package e.g. different sized brushes, colour-fill, lines and palette purposefully - Become familiar with a range of IT programmes - Use a digital camera or digital video camera to take pictures - Understand that sound can be recorded and played back - Begin to retrieve work	KEYBOARD SPACE BAR FULL STOP RETURN KEY BRUSHES CAMERAS SAVE RETRIEVE
Year 2 should ...	- Change the text colour/size/font - Select and resize an image - Type a story/sentences using appropriate keys in a word processor - Add sounds within a simple IT package - Talk about use of graphics and sound and how it may enhance or change the mood and atmosphere of a presentation and make changes where appropriate - Use different layouts and templates for different purposes - Become confident using a range of IT programmes - Use a digital camera or digital video camera to take appropriate pictures or video for a specific purpose - Use appropriate editing tools to improve work – undo, delete, back space, cut, copy, paste. - Use a basic spell checker	KEYBOARD SPACE BAR FULL STOP RETURN KEY BRUSHES CAMERAS SAVE RETRIEVE FONT UNDO DELETE BACK SPACE CUT COPY PASTE RESIZE



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	Online Safety	Vocabulary
Foundation Stage should ...	- Understand that their password belongs to them - Understand that there are rules to stay safe when using the Internet - Understand that they need an adult with them when using the Internet - Recognise who they can ask for help and know when they need help	PASSWORD RULES INTERNET
Year 1 should ...	- Explain what personal information means - Only share personal information with trusted adults - Know that there are some people we can trust and some that we can't - Know who to tell when they see something that makes them uncomfortable and make sure an adult knows what they are doing - Recognise the Internet as an exciting place to be but understand the need for a balance in how they spend their time - Make good choices about age appropriate activities - Agree and follow sensible e-safety rules	PASSWORD RULES INTERNET PERSONAL INFORMATION
Year 2 should ...	- Know what personal information is and what information they can give out - Know how to identify someone they can trust - Know who to tell when they see something that makes them uncomfortable and make sure an adult knows what they are doing - Recognise the Internet as an exciting place to be but understand the need for a balance in how they spend their time - Make good choices about age appropriate activities - Agree and follow sensible e-safety rules - Use a child friendly website	PASSWORD RULES INTERNET PERSONAL INFORMATION



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	Basic Skills	Vocabulary
Foundation Stage should ...	• Move the mouse with some control • Use the mouse to move and place items accurately on the screen • Identify the parts of a computer and know its uses - mouse - monitor - printer - keyboard - DVD/CD Rom • Understand the need to log onto the computer using a class user name • Shut down a computer correctly	MOUSE, SCREEN, COMPUTER, MONITOR, PRINTER, KEYBOARD, DVD/CD-ROM, USERNAME, LOG ON, SHUT DOWN
Year 1 should ...	• Right click using the mouse • Double click using the mouse • Print work • Save work in a folder • Open and close down software using the start programmes menu and short cuts on the desktop • Retrieve work with support	MOUSE, PRINT, SAVE, FOLDER, SOFTWARE, MENU, DESKTOP
Year 2 should ...	• Retrieve work from a folder • Use the 'undo' command to fix a mistake • Save work to a folder on the network using save as • Begin to understand how to use a link	LOAD, FOLDER, UNDO, COMMAND, SAVE, NETWORK