



Coverage of UKS2 objectives

| UKS2 | Objective (those in bold are the NC end of KS2 objectives) | Pupils working towards | Pupils working at | Pupils working beyond |
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| E-safety | <p>I can discuss the positive and negative impact of the use of ICT in their own lives and those of their peers and family.</p> <p>I can understand the potential risk of providing personal information online.</p> <p>I can recognise why people may publish content that is not accurate and understand the need to be critical evaluators of content.</p> <p>I can understand that some websites and/or pop-ups have commercial interests that may affect the way the information is presented.</p> <p>I can understand that some material on the internet is copyrighted and may not be copied or downloaded.</p> <p>I can understand that some messages may be malicious and know how to deal with this.</p> <p>I can understand that online environments have security settings, which can be altered, to protect the user.</p> <p>I can understand the benefits of developing a 'nickname' for online use.</p> <p>I can understand that some malicious adults may use various techniques to make contact and elicit personal information.</p> <p>I know that it is unsafe to arrange to meet unknown people online.</p> <p>I know how to report any suspicions.</p> <p>I understand I should not publish other people's pictures or tag them on the internet without permission.</p> <p>I know that content put online is extremely difficult to remove.</p> <p>I know what to do if I discover something malicious or inappropriate.</p> <p>To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> | | | |



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| <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Algorithms & Programs</p> | <p>I can combine sequences of instructions and procedures to turn devices on or off.</p> <p>I can understand input and output.</p> <p>I can use an ICT program to control an external device that is electrical and/or mechanical.</p> <p>I can use ICT to measure sound or light or temperature using sensors.</p> <p>I can write programs that have sequences and repetitions.</p> <p>I can explain how an algorithm works.</p> <p>I can detect errors in a program and correct them.</p> <p>I can use an ICT program to control a number of events for an external device.</p> <p>I can use ICT to measure sound, light or temperature using sensors and interpret the data.</p> <p>I can explore 'what if' questions by planning different scenarios for controlled devices.</p> <p>I can use input from sensors to trigger events.</p> <p>I can check and refine a series of instructions.</p> <p>To design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.</p> <p>To use sequence, selection, and repetition in programs; work with variables and various forms of input and output.</p> <p>To use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.</p> | | | |
| <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Databases</p> | <p>I can create a simple formula in a spreadsheet and then check for accuracy and plausibility.</p> <p>I can search databases for information using symbols such as = > or <.</p> <p>I can create databases planning the fields, rows and columns.</p> <p>I can create graphs and tables to be copied and pasted into other documents.</p> <p>I can collect live data using data logging equipment.</p> <p>I can identify data error, patterns and sequences.</p> <p>I can create my own database and present information from it.</p> <p>To select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content, that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.</p> | | | |



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| <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Data retrieving & organising</p> | <p>I can listen to streaming audio such as online radio.</p> <p>I can download and listen to podcasts.</p> <p>I can select music from open sources and incorporate it into multimedia presentations.</p> <p>I can work on simple film editing.</p> <p>I can explore the menu options and experiment with images (colour effects, options, snap to grid, grid settings etc.).</p> <p>I can add special effects to alter the appearance of a graphic.</p> <p>I can 'save as' gif or jpeg. wherever possible to make the file size smaller (for emailing or downloading).</p> <p>I can make an information poster using their graphics skills to good effect.</p> <p>To select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content, that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.</p> | | | |
| <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Using the Internet</p> | <p>I can use a search engine using keyword searches.</p> <p>I can compare the results of different searches.</p> <p>I can decide which sections are appropriate to copy and paste from at least two web pages.</p> <p>I can save stored information following simple lines of enquiry.</p> <p>I can download a document and save it to the computer.</p> <p>I can use complex searches using such as '+' 'OR' "Find the phrase in inverted commas".</p> <p>To understand computer networks including the internet; how they can provide multiple services, such as the world-wide web; and the opportunities they offer for communication and collaboration.</p> <p>To use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.</p> | | | |
| <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Communicating</p> | <p>I can use instant messaging to communicate with class members.</p> <p>I can conduct a video chat with someone elsewhere in the school or in another school.</p> <p>I can conduct a video chat with people in another country or organisation.</p> <p>To understand computer networks including the internet; how they can provide multiple services, such as the world-wide web; and the opportunities they offer for communication and collaboration.</p> | | | |



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| <p>Presentation</p> | <p>I can use a range of presentation applications.</p> <p>I can consider audience when editing a simple film.</p> <p>I know how to prepare and then present a simple film.</p> <p>I can use ICT to record sounds and capture both still and video images.</p> <p>I can capture sounds, images and video.</p> <p>I can use the word count tool to check the length of a document.</p> <p>I can use bullets and numbering tools.</p> <p>I can present a film for a specific audience and then adapt same film for a different audience.</p> <p>I can create a sophisticated multimedia presentation.</p> <p>I can confidently choose the correct page set up option when creating a document.</p> <p>I can confidently use text formatting tools, including heading and body text.</p> <p>I can use the 'hanging indent' tool to help format work where appropriate (e.g. a play script).</p> <p>To select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content, that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.</p> | | | |
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