

| National Curriculum 2014 | Digital Literacy | Programming | Online | Assessment |
|---|--|--|--|--|
| <ul style="list-style-type: none"> Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts Use sequence, selection, and repetition in programs; work with variables and various forms of input and output Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs 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 Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content 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 Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. | <p>Skills</p> <p>Animation (I can animate app)</p> <ul style="list-style-type: none"> Plan what they would like to happen in their animation. Take a series of pictures to form an animation. Move items within their animation to create movement on playback. Edit/improve their animation. <p>Video (iMovie trailer)</p> <ul style="list-style-type: none"> Capture video for a purpose. Discuss the quality of videos and chose which to keep and which to re-shoot. Trim and arrange clips to convey meaning. Add titles, credits, slide transitions, special effects and talk about the effect these have on the audience. Select, use and combine a variety of software on a range of digital devices to accomplish given goals. <p>Microsoft Word/Keynote/Pages/Pic Collage/Comic Life/Explain Everything</p> <ul style="list-style-type: none"> Use appropriate editing tools to ensure their work is clear and error free, e.g., spell checker, thesaurus, find and replace. Select and import sounds from other sources, e.g., own recordings, sound effects and music. Recognise and use key layout and design features, e.g., text boxes, columns and borders. Insert and edit simple tables. Create a range of hyperlinks and produce an interactive presentation. | <p>Skills</p> <p>Scratch Racing car</p> <ul style="list-style-type: none"> Navigate the Scratch programming environment. Create a background and sprite for a game. Add inputs to control their sprite. Use conditional statements (if... then) within their game. <p>2code Chimp Level & Gibbon/Purple Mash Logo/Probots</p> <ul style="list-style-type: none"> Use the repeat command to draw shapes within logo. Experiment with angles to draw shapes and patterns to move a sprite. Add a sprite. Program their sprite to navigate the screen following their algorithm. Use conditional statements ('if...then') Design, write and debug programs that accomplish specific goals. | <p>Skills</p> <p>Emails</p> <ul style="list-style-type: none"> Log in to an email, open emails, create and send replies. Attach files to an email and save files from an email. Email more than one person and participate in group emails by 'replying to all'. <p>Video conferencing</p> <ul style="list-style-type: none"> Make/receive a voice and/or video call from school Skype. Adjust the audio/video settings to ensure good quality of the call. <p>Internet Research</p> <ul style="list-style-type: none"> Use appropriate tools to save and retrieve accessed information, e.g., through the use of favorites, history, copy/paste and save as. Identify whether a file has copyright restrictions and can be legally downloaded from the internet then used in their own work. Know how to temporarily allow useful pop-ups from a website. | <p>Digital Literacy</p> <ul style="list-style-type: none"> Are ch able to create an animation built from their own pictures? Can ch use iMovie to edit their own film/trailer of learning within an enquiry? Are ch able to choose an app/program and use a template to create a presentation including a hyperlink? <p>Programming</p> <ul style="list-style-type: none"> Can ch use Scratch to create their own basic program using inputs? Are ch able to navigate a sprite round a virtual world using a series of commands? Can ch edit commands to solve problems? <p>Online</p> <ul style="list-style-type: none"> Can ch attach/save files from an email? With support can ch use Skype to make or receive a call linked to an enquiry? When using the Internet are children able to adhere to copyright procedures? |
| | <p>Data</p> <p>Skills</p> <ul style="list-style-type: none"> Create and search a branching database from information selected. Raise their own questions and translate them into search criteria that can be used to find answers. Use a data logger to 'snap shot' a series of related but separate readings in an investigation. Use data loggers both connected to the computer (live) and remotely, transferring data to appropriate software at a later stage. | <p>E-safety</p> <p>Skills</p> <p>Weaved throughout all aspects</p> <ul style="list-style-type: none"> Recognise social networking sites and features built into other things. Make judgements in order to stay safe, whilst communicating with others online. Tell an adult if anything worries them online. Identify dangers when presented with scenarios, social networking profiles, etc. Articulate examples of 'good' and 'bad' behaviour online. | <p>E-safety</p> <ul style="list-style-type: none"> Can ch write/discuss the dangers associated with social networks? <p>Data</p> <ul style="list-style-type: none"> Can ch create a branching database and conduct a search? Are ch able to use a data logger to collect data to put with a science enquiry. | |

