

Computer Science	Year 6 Learning Objectives	Resources/ Activity Ideas
<ul style="list-style-type: none"> <li>• design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems;</li> <li>• solve problems by decomposing them into smaller parts</li> <li>• use sequence, selection, and repetition in programs;</li> <li>• work with variables and various forms of input and output</li> <li>• use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</li> <li>• understand <b>computer networks including the internet</b>; how they can provide multiple services, such as the world wide web;</li> </ul>	<p>Be able to identify bugs and debug as necessary.</p> <p>Able to improve and modify code to increase performance of a program.</p> <p>Use IF code blocks to alter co-ordinates and rotation of an object.</p> <p>Know how to use the screen layers facility- background/foreground</p> <p>Pens and movement- series of different shades and areas of the screen used for drawing.</p> <p>Use broadcast text and other inputs to trigger different events.</p> <p>Use IF THEN ELSE conditions to control several events.</p> <p>Use a range of sensing tools to control events. Use lists of variables to enhance program.</p> <p>In addition to using previous year group operators can now use Random () to () Join() ()</p> <p><b>AG to link some objectives with networks</b></p> <p>Understand the meaning of networks and how they provide multiple services</p>	<p><b>Maths Times Table</b></p> <p><a href="http://code-it.co.uk/scratch/tablesgame/tablesgameoverview">http://code-it.co.uk/scratch/tablesgame/tablesgameoverview</a></p> <p>Dependent on time to choose one of the UCL or Phil Bagge projects to reinforce objectives especially random and join operatives.</p> <p><b>We Are Network Technicians</b> 7 sessions 25<sup>th</sup> Feb- April 22<sup>nd</sup>.</p>

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ICT/Multimedia	Year 6 Learning Objectives	Resources/Suggested Activity Ideas
<ul style="list-style-type: none"> <li>• Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content</li> <li>• 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.</li> </ul>	<p>Able to discuss audience, atmosphere and structure of a presentation or video.</p> <p>Collect information and media from a range of sources (considering copyright) into a presentation.</p> <p>Use sound, text, transitions, hyperlinks and HTML code in a presentation. ( network project)</p> <p>Evaluate the effectiveness of their own work and work of others.</p> <p>Able to analyse, evaluate and present data.</p> <p>Able to interrogate a database, refining searches to answer questions.</p> <p>Able to make use of a range of search engines appropriate to finding information that is required.</p> <p>Can appreciate that search engines rank pages based on the number and quality of in-bound links.</p>	<p><b>6.3 We Are Advertisers-</b> make a short TV advert April 29<sup>th</sup>- 24<sup>th</sup> June- <a href="http://www.purplemash.com/#app/tools/2pubextra/storyboard">www.purplemash.com/#app/tools/2pubextra/storyboard</a></p> <ul style="list-style-type: none"> <li>• Plan your ad using this storyboard <a href="http://www.purplemash.com/#app/tools/2seq">www.purplemash.com/#app/tools/2seq</a></li> <li>• Create a musical sound track to your ad</li> </ul> <p><b>We Are Publishers- produce a class year book or magazine.</b> Collaborative project. Pupils in pairs contribute to designated pages of one of the above. Or, they could produce their own year book.</p> <p><b>AG – possible 4 sessions available maybe more via Thurs am slot. What can be achieved in class? Pupils can continue project in class via iPads.</b></p> <p><a href="http://www.purplemash.com/#app/jsapps/write">www.purplemash.com/#app/jsapps/write</a> <a href="http://www.purplemash.com/#app/tools/2Connect">www.purplemash.com/#app/tools/2Connect</a></p> <ul style="list-style-type: none"> <li>• Use the collaborative functionality of 2 write and/or 2Connect to brainstorm and share ideas to plan your Yearbook <a href="http://www.purplemash.com/#app/pup/blank_template">www.purplemash.com/#app/pup/blank_template</a></li> <li>• Create your own Yearbook adding your own images, text and sound options in this blank template. This template could be used in teacher mode to prepare a template that includes a checklist of tailored writing tips and then set as a 2do for the class.</li> </ul> <p>2Blog (and displayboards) can be used as a tool to give and respond to feedback, for collating content and for sharing an online version of the yearbook with a wider audience. See user guides at <a href="http://www.purplemash.com/#app/guides/2Blog_pdf_Guide">www.purplemash.com/#app/guides/2Blog_pdf_Guide</a> and <a href="http://www.purplemash.com/#app/guides/Displayboards_pdf_Guide">www.purplemash.com/#app/guides/Displayboards_pdf_Guide</a></p>

Digital Literacy	Year 6 Learning Objectives	Resources/Suggested Activity Ideas
<ul style="list-style-type: none"> <li>• Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</li>   <li>• Understand the opportunities networks offer for communication and collaboration</li>   <li>• Be discerning in evaluating digital content</li> </ul>	<p>Understands how domain names are converted into IP addresses on the internet.</p> <p>Understands the importance of keeping personal information safe.</p> <p>The child can identify principles underpinning acceptable use of digital technologies.</p> <p>(The child can identify some principles underpinning acceptable behaviour when using technologies in a range of contexts. Contexts could include smartphone or tablet use; the use of online project management tools; online surveys and recording of interviews; creating and sharing digital content.)</p> <p>Know a range of ways to report concerns and inappropriate behaviour in a variety of contexts.</p> <p>Pupils should know how to report inappropriate behaviour when using technology in school: preferably this will be to their teacher, the network manager or another trusted adult. They should know how to report any concerns over, or inappropriate behaviour with, digital technology at home. Preferably this would be through discussion with their parents, with you or with another trusted adult. Pupils should also know how to report inappropriate behaviour to those running websites which they regularly use, and to ChildLine, CEOP or the police. Pupils should know that illegal content or activities can be reported to CEOP or the police</p> <p>Able to form an opinion about the effectiveness of digital content</p>	<p><a href="#">We Are Network Technicians</a></p> <p><b>Teachers all objectives spring/summer term Safer Internet Day Tuesday 11th February 2020</b></p> <p><b>Leaflet- 10Sept- 1 Oct – Online Safety Scenarios</b></p> <p><b>BBC OWN IT WEBSITE</b>  <a href="https://www.bbc.com/ownit/its-personal/perfect-posts?collection=phone-fomo">https://www.bbc.com/ownit/its-personal/perfect-posts?collection=phone-fomo</a>  <a href="https://www.bbc.co.uk/newsround/44074704">https://www.bbc.co.uk/newsround/44074704</a>  <a href="https://www.bbc.co.uk/newsround/13908828">https://www.bbc.co.uk/newsround/13908828</a></p> <p><b>Thinkuknow</b>  <a href="http://www.safetynetkids.org.uk/personal-safety/staying-safe-online/">http://www.safetynetkids.org.uk/personal-safety/staying-safe-online/</a>        ( gives info about phone safety and cyber bullying.</p> <p><a href="https://digital-literacy.org.uk/curriculum-overview/year6/year-6-sol-(1).aspx/">https://digital-literacy.org.uk/curriculum-overview/year6/year-6-sol-(1).aspx/</a>  <a href="https://www.e-safetysupport.com/resources/details/?resource_type=lesson_plans">https://www.e-safetysupport.com/resources/details/?resource_type=lesson_plans</a>  <a href="http://amazingict.co.uk/e-safety">http://amazingict.co.uk/e-safety</a></p>

	The child can use online tools to plan and carry out a collaborative project	
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