

## Year 6 Computing Planning

Creative Technology (Multimedia)	Programming	Digital Research	E-Safety	Data and Networks
<p><b>Unit 1: Animation</b> (<i>I can Animate, Monkey Jam</i>) Plan a multi-scene animation including characters, scenes, camera angles and special effects.</p> <p>Use stop-go animation software with an external camera to shoot animation frames.</p> <p>Adjust the number of photographs taken and the playback rate to improve the quality of the animation.</p> <p>Publish their animation and use a movie editing package to edit/refine and add titles.</p> <p><b>Unit 2: Video</b> (<i>iMovie, Movie Maker, Photostory</i>) Storyboard and capture videos for a purpose.</p> <p>Plan for the use of special effects/transitions to enhance their video.</p> <p>Transfer to PCs for advanced editing.</p> <p>Trim, arrange and edit audio levels of video to improve the quality of their outcome.</p> <p>Add titles, credits, transitions and special effects.</p> <p>Export their video in different formats for different purposes.</p>	<p><b>Unit 1: Probots</b> Write programs using repeat, angle sizes and conditional statements, along with general controls. (Draw a range of triangles, regular polygons, around a maze?)</p> <p>Group together instructions to solve problems and achieve a specific outcome.</p> <p>Develop, test and refine procedures for greater efficiency and explain how and why they have done so.</p> <p><b>Unit: 2 Scratch</b> Design their own game including sprites, backgrounds, scoring and/or timers.</p> <p>Their game uses conditional statements, loops, variables and broadcast messages.</p> <p>Their game finishes if the player wins or loses and the player knows if they have won or lost.</p> <p>Evaluate the effectiveness of their game and debug if required.</p>	<p><b>Unit 1: Blogging</b> Register for a blog: selecting a url and navigate to their blog once it is created.</p> <p>Alter the theme and appearance of their blog, adding background images etc.</p> <p>Create a new post, save it as a draft and publish it.</p> <p>Embed photos, hyperlinks and videos into posts.</p> <p>Remove posts no longer wanted.</p> <p>Like/follow other blogs and build up their blog content over the year.</p> <p><b>Unit 2: Internet Research</b> Use tools to process information from a range of sources and use in own work.</p> <p>Understand copyright and acknowledge where content has come from and reference on their work.</p> <p>Discuss and describe how search results are selected and ranked.</p>	<p><b>Unit 1: Report It!</b> Find <i>report</i> and <i>flag</i> buttons in commonly used sites and name sources of help (Childline, Cybermentors, CEOP)</p> <p>'click-CEOP' button and explain to parents what it is for.</p> <p>Discuss scenarios involving online risk.</p> <p><b>Unit 2: Stay SMART</b> Know the SMART rules and act as role models to younger pupils promoting them.</p> <p>State the source of information found on the internet.</p>	<p><b>Unit 1: Data Collection</b> Create data collection forms and enter data from these accurately.</p> <p>Know how to check for and spot inaccurate data.</p> <p>Know which fomulas to use when I want to change my spreadsheet model.</p> <p>Make graphs from the calculations on my spreadsheet.</p> <p>Sort and filter information.</p> <p>Understand that changing the numerical data effects a calculation.</p>

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