Year 4 Computing Planning

Creative Technology (Multimedia)	Programming	Digital Research	E-Safety	Data and Networks
Unit 1: Animation *(I can Animate (app and laptops) Movie Maker)* Plan what they would like to happen in an animation. Take a series of pictures to form an animation. Move items within their animation to create movement on playback. Edit/improve their animation. Decide whether to add audio to the animation to enhance the work. Save work successfully on school network. **Unit 2: Video** *(iMovie, iPads, Flip Cameras, Movie Maker)* Capture video for a purpose. Discuss the quality of videos and choose 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.	**Unit 1: OnScreen Turtle** *(Textease Turtle)* Create simple and more difficult polygons using an on screen turtle. Use repeat function successfully. Input size of angle turn. Ensure program written is efficient as possible. **Unit 2: Lego We Do** Write a program of instructions to solve a problem or achieve a certain outcome. 'Debug' the program to ensure it works smoothly and efficiently. Think of ways to enhance the program – (added extras?) Begin to use shorthand instructions and conditional statements (if ….then) **Added Extra** Using skills for programming play Blockly Maze	**Unit 1: Video Conferencing** Load and add a contact to Skype (can be done as a class) Make/receive and voice a video call. Adjust the audio/video settings to ensure good quality of the call. **Unit 2: Specific Searching** Know what www stands for and briefly how the World Wide Web works. Use menus, indexes, search tools, favourites and key words to find particular information on a website. Talk about and question the relevance and reliability of content found. Know some tricks to narrowing down what information is given from a search engine.	**Unit 1: Social Networking** Recognise social networking sites and social networking features built into other things (such as online games and handheld games consoles). Identify dangers when presented with scenarios, social networking profiles etc. Know to tell an adult if anything worries them online. **Unit 2: Behaviour Online** Articulate examples of 'good' and 'bad' behaviour online. Make judgements in order to stay safe, whilst communicating with others online. **Unit 3 Passwords** Know why a password is important. Create and use a secure password and keep it private. Understand why passwords should not be shared.	**Unit 1: Databases** *(Textease Branch, Excel)* Create and search a branching database. Sort and organise information to use in other ways. Create a database from information I have selected. **Unit 2: Networks** Know what a network is and be able to give examples of networks used around them everyday. Know that the WWW is a network. Recognise and use a range of different search engines. Hyperlink to relevant content stored locally on a network.

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