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| Whitegate Computing Curriculum  Year 4 | |
| **Computer skills** | |  | | --- | | * Make changes to their work. * Consolidate keyboard skills. * Highlight/select items. * Use cut, copy and paste. * Insert and format text boxes. * **Use a range of ICT equipment and software independently.** | |
| **Research** | * Type in a URL to find a website. * Add websites to favourites. * Use a search engine to find a range of media, e.g. images and text. * Understand Internet safety rules. * **Think of search terms to use linked to questions they are finding the answers for.** * **Talk about the reliability of information on the Internet e.g. the difference between fact and opinion.** * **Use Internet safety rules.** |
| **Computer programming** | **Create and debug an algorithm:**   * **To create a procedure.** * **That uses setpos to draw shapes.** * **With different colours.** * **To write text.** * **To draw arcs.** * **Compare quizzes and decompose a problem into smaller parts.** * **Write and debug a program.** * **Write and debug a program.** * **Use sequences and repetitions.** * **Select appropriate visual block commands to create a sequence.** |
| **Word processing** | * Manipulating windows by viewing two at once. * Create, organise, save and search for files and folders. * Use the ‘shift’, ‘caps lock’ and ‘space’ correctly. * Edit using ‘backspace’, ‘delete’, ‘arrow keys’ and ‘undo/redo.’ * Use the ‘change case button.’ * Align text left, centre, right or justified. * Use ‘show all characters’ button. * Use bullets and numbering. * Use the ‘ctrl’ key. * Insert and format text boxes. * **Import graphics and use the Picture Toolbar to choose the text wrapping.** * **Use the spell checker.** * **Use Page Setup to choose Portrait or Landscape page as appropriate.** * **Learn how to insert and use a simple table.** * **Use the Zoom menu to view the whole page.** * **Use word art.** |
| **Photo Stories** | * **Create the layout of a comic strip using photos in a desktop publisher.** * **Edit and enhance photos and text for presentation.** * **Arrange and layer objects, including titles and backgrounds.** * **Add and arrange photos to a movie presentation with animation effects.** * **Add an audio soundtrack and text captions to a photo sequence.** * **Use final enhancements to turn a Movie Maker project into a finished movie file.** |
| **Animation** | * **Describe early forms of animation before computers and how computers have made a difference.** * **Create a short computer animation using one or more moving stick figures.** * **Create a recorded animation involving a number of moving characters on a background.** * **Structure specific timing of animations using a time slider.** * **Use a camera or iPad to create a short stop-motion animation film.** * **Analyse and evaluate software.** |
| **E Safety** | * Identify personal information that should be kept private. * Consider other people’s feelings on the Internet. * Question the ‘validity’ of what they see on the Internet. * Use a browser address bar not just search box and shortcuts. * **Recognise social networking sites and their features which are built into other things (such as online games or games consoles.)** * **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.** |