

| Multimedia | Programming | Online | E-Safety | Data |
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| <p>Graphics Use ICT to generate ideas for their work.</p> <p>Use tools including brushes, pens, line, fill and stamp to create images.</p> <p>Use save, open, edit and print.</p> <p>Manipulating Text Use spacebar, back space, enter, shift and arrow keys.</p> <p>Begin to use two hands when typing.</p> <p>Word process short texts to present written work.</p> | <p>Daisy Dino App Understand that a computer responds to an instruction.</p> <p>Give and respond to instructions which involve turning in different directions.</p> <p>Explore outcomes when instructions are given in a sequence.</p> <p>Discuss/ explore what will happen when instructions are given in a sequence.</p> <p>Orally give a sequence of instructions, followed by using command symbols to instruct 'Daisy' on how to carry out a task.</p> <p>Use movement commands linked to set tasks.</p> | <p>Websites Discuss websites that they have been on.</p> <p>Explore specified websites by using navigation buttons including back arrow, menus and hyperlinks.</p> <p>Complete a search under the supervision of an adult.</p> | <p>Identify and sort devices which can gain access to the internet and those which do not.</p> <p>Make decisions about whether or not statements found on the internet are likely to be correct.</p> <p>Identify items of information/ images would be classed as personal information.</p> <p>Know which steps to take if they feel that something on the internet is inappropriate.</p> | <p>Know and understand that images can give us information.</p> <p>Say what a pictogram is representing.</p> <p>Put data into a program ie pictogram maker</p> <p>Sort objects/ images into lists or simple tables.</p> |

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| <p>Sound Recording (Garage Band) Use sound recorders on iPad to capture and playback sound.</p> <p>Use software to record music and sounds.</p> <p>Change sounds that have been recorded.</p> <p>Save, retrieve and edit sounds.</p> <p>Video Capture Capture video using iPad camera.</p> <p>Discuss which videos to keep and why.</p> <p>Edit and improve based on viewing.</p> <p>Present recordings to an audience.</p> | <p>Daisy Dino App Use the 'repeat' command within a series of instructions.</p> <p>Plan and write a 'story' for a sprite, writing the commands.</p> <p>Edit/refine a sequence of commands.</p> | <p>Email Recognise an email address.</p> <p>Locate and use the @ key.</p> <p>Contribute to a class email.</p> <p>Understand rules on safe emailing.</p> <p>Understand how to open and respond to a class email.</p> | <p>Identify obviously false information in a variety of contexts.</p> <p>Recognise that a variety of devices eg smartphones, PS3's, X Box can connect users with other people.</p> <p>Identify personal information which must be kept private.</p> <p>Consider other people's feelings when using the internet.</p> <p>Know what steps to take if something on the internet makes them feel uncomfortable.</p> | <p>Place objects and pictures in a list or a simple table.</p> <p>Make a simple Y/N tree diagram to sort information.</p> <p>Create and search a branching database.</p> |

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| <p>Graphics Acquire, store and combine images from cameras or the internet for a purpose.</p> <p>Use the PrintScreen function to capture an image.</p> <p>Select certain areas of an image and resize/ rotate an image.</p> <p>Edit pictures using various tools in paint or photo manipulation software.</p> <p>E- Books (Book Creator)_ Create a new eBook with a front cover, adding and removing pages as necessary.</p> <p>Add important information eg Author's name, illustrator.</p> <p>Increase typing speed by typing with both hands.</p> <p>Align text left, right and centre.</p> | <p>Cargo Bot Use the 'repeat' command within a series of instructions.</p> <p>Use the 'if...then' command and predict the result.</p> <p>Discuss the similarities and differences between different coding apps eg Daisy Dino, Bee Bot, Cargo Bot.</p> <p>LOGO Write a simple program in Logo to produce a line drawing.</p> <p>Use more advanced LOGO programming commands eg pen up/ down.</p> <p>Write a program to reproduce a defined shape.</p> | <p>Twitter Navigate to view our class Twitter feed.</p> <p>Understand that our class Twitter can be updated from a range of devices.</p> <p>Comment on our class Twitter feed.</p> <p>Internet Research Type in a URL to find a website.</p> <p>Add websites to favourites.</p> <p>Use a search engine to find a range of media eg text, images, videos</p> <p>Generate search terms linked to questions that they are finding an answer for.</p> <p>Discuss the reliability of information on the Internet eg difference between fact and opinion. (link to E-Safety)</p> | <p>Question the validity of what they see on the Internet.</p> <p>Use a browser address bar, not just search box and shortcuts.</p> <p>Think before posting and discuss the consequences of posting.</p> <p>Recognise online behaviours which would be unfair.</p> | <p>Choose information to put into a data table.</p> <p>Recognise which information is suitable for their topic.</p> <p>Sort and organise information to be used in various ways.</p> |

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| <p>Animation (I can animate app) Plan what is going to happen in their animation.</p> <p>Take a series of pictures to form an animation.</p> <p>Move items within animation to create movement on playback.</p> <p>Edit/ improve their animation.</p> <p>Video iMovie Capture video for a purpose.</p> <p>Discuss and assess quality of video, select which bits to keep and which to reshoot.</p> <p>Trim and arrange clips to convey meaning.</p> <p>Add titles, credits, transitions and discuss the effects used.</p> | <p>LightBot Develop awareness of terminology used in control programming.</p> <p>Write commands to control the robot using 'repeat' and embedded procedures.</p> <p>Debug programmes when errors occur.</p> <p>Scratch Navigate Scratch programming environment.</p> <p>Create a background and sprite for a game.</p> <p>Add inputs top control their sprite.</p> <p>Use conditional statements (if...then) within their game.</p> | <p>Emails Log in to an email, open it, create and send a reply.</p> <p>Attach files to an email.</p> <p>Download and save a file from an email.</p> <p>Email more than one recipient and take part in group emails by replying to all.</p> <p>Video conferencing Load and add a contact to Skype.</p> <p>Make/ receive a video call.</p> <p>Adjust audio/ video settings to ensure the quality of the call.</p> | <p>Recognise social networking sites and social networking features built into other things, (eg online games and handheld consoles)</p> <p>Make judgements in order to stay safe whilst communicating with others online.</p> <p>Tell an adult if anything worries them online.</p> <p>Know what steps to take if something worries or upsets them online.</p> <p>Articulate examples of 'good' and 'bad' online behaviour.</p> | <p>Create and search a branching Database.</p> <p>Sort and organise information to use in other ways.</p> <p>Create a database from information selected.</p> <p>Use a graphing tool to display results of graphs.</p> |

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| <p>E- Books (Book Creator) Create a new eBook with a front cover, adding and removing pages as necessary.</p> <p>Produce a multi media book combining text, audio, video and pictures.</p> <p>Attach author and date for publishing.</p> <p>Publish book and gather feedback via evaluation.</p> <p>Sound Recording (Audacity) Collect audio from a variety of sources including own clips and those from internet.</p> <p>Create a multi track recording using effects.</p> <p>Edit and refine work to improve outcomes.</p> <p>.</p> | <p>Scratch - Whack a Witch Use external triggers and infinite logos to control sprites.</p> <p>Create and edit variables.</p> <p>Use conditional statements.</p> <p>Kodu Design a 3D world with items to be collected and dangerous items.</p> <p>Add and program a sprite to navigate their world to collect items and avoid danger.</p> <p>Add a scoring system to their world to signal to the player when they win or lose the game.</p> | <p>Internet Research Use advanced search functions in Google eg quotations</p> <p>Understand websites such as Wikipedia are made by users (ESafety link)</p> <p>Use strategies to check the reliability of information, eg cross checking with books.</p> <p>Use their knowledge of domain names to aid their judgement of the validity of websites.</p> <p>Cloud Computing Understand files may be saved off their device in clouds (servers)</p> <p>Upload/download a file to the cloud on different devices.</p> <p>Understand about syncing files using cloud computing folders.</p> | <p>Judge what sort of privacy settings might be relevant to reducing different risks.</p> <p>Judge when to answer a question online and when not to.</p> <p>Be a good online citizen and friend, not a 'digital bystander'.</p> <p>Articulate what contributes good behaviour online.</p> <p>Find and cite the web address for any information or resource found online.</p> <p>Use different sources to double check information found.</p> | <p>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 formulas to use when I want to change my spreadsheet model.</p> <p>Make graphs from the calculations on my spreadsheet.</p> |

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| <p>Video (Video Star app) Storyboard and capture videos for a purpose.</p> <p>Plan for the use of special effects.</p> <p>Add titles, credits, transitions and special effects.</p> <p>Evaluate content, edit and make improvements.</p> <p>Export video in specified formats.</p> | <p>Scratch (Fish Chomp/ Felix and Herbert) Design their own game including sprites, backgrounds, scoring and/or timers.</p> <p>Use conditional statements, loops, variables and broadcast messages.</p> <p>Program in such a way that a players game finishes if the player wins or loses and the player knows if they have won or lost.</p> <p>Evaluate the effectiveness of the game, debug if required.</p> <p>Kodu (2 player combat) Design a 2 player combat game within a 3D world with suitable camera angles for dual play.</p> <p>Use a keyboard or external game controller to control the sprites' behaviours.</p> <p>Program in such a way that a players game finishes if the player wins or loses and the player knows if they have won or lost.</p> <p>Evaluate the effectiveness of the game, debug if required.</p> | <p>Blogging Register for a blog: selecting URL and navigate to their blog once it is created.</p> <p>Alter the themes of appearance of their blog, adding 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>Reorganise posts and remove parts they no longer want.</p> <p>Like/ follow other blogs and build up blog content over time.</p> | <p>Find report and flag buttons on commonly used sites and name sources of help eg. Childline, Cybermentors.</p> <p>Explain to parents what a CEOP button is used for.</p> <p>Discuss scenarios involving online risk.</p> <p>State the source of information found on the internet.</p> <p>Act as a role model for younger pupils, including promoting E Safety top tips.</p> | <p>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 formulas to use when they want to change their spreadsheet model.</p> <p>Make graphs from a calculation on the spreadsheet.</p> <p>Sort and filter information.</p> <p>Understand that changing the numerical data effects a calculation.</p> |