

Computing Progression Map

Information Technology

	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Statutory Info (ELG/NC)	Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes.	Use technology purposefully to create, organise, store, manipulate and retrieve digital content		Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration 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			
Word-Processing/ Typing	Use touch screen games Use a keyboard and mouse in role play Type letters with increased confidence using a keyboard and tablet	Confidently type their name and familiar words Use the backspace button to delete Use the space bar to make spaces	Change the font style, size and colour Write a sentence using spaces between words Use caps lock for capital letters full stops Use the enter key for a new line	Use index fingers on keyboard home keys (f/j), use left fingers for a/s/d/f/g and use right fingers for h/j/k/l Incorporate images into documents Use the shift button to include characters (!?“") Select appropriate fonts, size and colour for a purpose Edit text by highlighting	Continue to use all fingers to create text based documents Create documents using appropriate layout (bullet points, numbers, fonts) Use bold and underline for emphasis Use word art to create headings Use a spell checker, including Siri	Use all fingers to create text based documents Create documents using appropriate layout (indenting, columns, fonts) Use text boxes, backgrounds and borders Use right click to correct spellings, look up words and find synonyms Import sounds to accompany and enhance a document	Confidently choose the best application to demonstrate learning Select appropriate layout and font for a purpose Use text shortcuts such as cut, copy, paste Incorporate hyperlinks and transitions in documents and presentations
Save and Retrieve Files	To know that information can be retrieved from computers (30-50)	Save work in a given place	Save work in a given place Retrieve previously saved work	Save work to a shared drive or a personal space Retrieve previously saved work from a shared space or personal space	Know how to save (overwrite) a previously named file Retrieve images from a shared or personal space Retrieve their work from a shared or personal space	Save and retrieve work from a shared or personal space	Retrieve and amend documents from a shared or personal space
Data Handling	Identify a chart Sort physical objects, take a picture and discuss what I have done Present simple data on a digital device	Create a pictogram Collect data on a topic Sort images or text into 2 or more categories on a digital device	Explore and create a branching database using questions	Create my own sorting diagram and complete a data handling activity with it Input simple data into a spreadsheet	Understand how data is collected Input data into a spreadsheet Export the data in a variety of ways: charts, bar charts, pie charts		Use simple formula to solve calculations including =sum Edit and format difference cells in a spreadsheet Write a spreadsheet formula to solve more challenging maths problems
Presentations, web design and eBook Creation	Move and resize images with my fingers or a mouse	Add labels to an image Sequence a series of pictures to explain my understanding of a topic	Add labels to an image		Create an interactive quiz introducing hyperlinks	Create an interactive presentation including a variety of media, animation, transitions and other effects	Create and publish my own online quiz with a range of media (images and video)
Photography and Digital Art	Take a photograph Take a photograph and use it in an app Use a painting app and explore the paint and brush tools	Edit a photo with simple tools Use a paint/drawing app to create a digital image	Edit a photo (crop, filters, mark up)		Enhance digital images and photographs using crop, brightness, contrast and resize	Enhance digital images and photographs using crop, brightness, contrast and resize Explain how Photoshop images and how this is used in the media	

Video Creation and Sounds	Know the difference between photography and video Record a short film using the camera Record and play a film Watch films back Record my voice over a picture						
Provision	• Ipads – photos and videos • Textease – drawing • Textease - typing	• Textease	• Textease – writing sentences and adding pictures • Textease – branching database	• Christmas poster – word • Textease – sorting diagram • Excel – input data?	• All about me poster – word • Powerpoint presentation, editing photos • Excel - data	• Word • Powerpoint – interactive presentation • Editing images within word/powerpoint	• Word • Excel – data and formula • Online quiz

Vocabulary	Computer, information	Brush, tools, fill, shapes, paint, image, focus, record, return, space, sound, sound effect, photograph, sort, group, video, sound, match, pictogram, tally, film, image, photograph, label	Picture, tools, repeating patterns, image, sound, shift, caps lock, capital, edit, arrow, text, backspace, delete, data, chart, graph, branching database, question, pictogram, sort, image, photographs	Digital image, media, paint package, crop, import, tools, effect, edit, font, style, size, colour, database, branding database, data, data collection	Data, chart, graph, branching database, question, numerical, list, text, field, search, sort	Story board, layout, format, track changes, animation, stop frame, edit, blog, sound, audio file, import, sound effect, track, graphic, hyperlink, data, chart, graph, branching database, question, field, numerical data, spreadsheet, cell, row, column, format	Film, cut, copy, paste, edit, audience, trim, effect, filter, sort, formula, data, mean, average, spreadsheet, inaccurate, field, variable, search
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