

COMPUTING - Information Technology

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Statutory Information (NC)		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			
				Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content			
				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			
Digital content and media	To select and use technology for particular purposes (ELG)	Take photographs that will tell me something Use video and record sound for a purpose	To take and to change a photo Use video and record sound for a purpose	Create pictures using a range of tools and effects (zoom, blur, diffuse, darken, reflect, repeats) Record sounds and voices and use tools to add effects	Know how information is stored in a blog Take digital images and crop, copy and paste to edit Script, plan and shoot a short film, considering shot types	Use a variety of tools and effects to record and edit sounds and music Plan a film or animation for a specific purpose, using green screen if available. Compare and contrast different online communication methods	Create and edit pictures in a paint program to achieve a specific purpose Choose an online communication mechanism for a specific purpose and explain reasons for choosing it
Word-processing		Use different brushes and tools in a paint program to create pictures Type their name using a capital letter Use the backspace button to delete	Change the font style, size and colour Write a sentence, using spaces between words. Use the enter key for a new line	Use all fingers to create text based documents Incorporate images, select appropriate fonts, size and colour for a purpose Use bold, underline and italics for emphasis	Create text based documents using appropriate layout (bullet points, numbers, indenting, columns, fonts)	Create text based multimedia documents Select appropriate layout, font, tools for a purpose	Incorporate hyperlinks and transitions in documents and presentations
Save and retrieve files	To know that information can be retrieved from computers (30-50)	To save work in a given place	Retrieve their work from a shared space To create, organise and store a simple graph (J2e)	Edit text by highlighting and save changes Know how to save work to a shared drive. Retrieve their work from a shared space.	Use a spell checker Retrieve images from a shared space Retrieve their work from a shared space	Use right click to correct spellings, look up words and find synonyms Save and retrieve work from a shared space	Retrieve and amend text based documents from a shared space
Data handling		Take observational photographs Use video/sound to record data to answer questions Contribute to creating a pictogram	Collect data and use it to create charts and graphs Explore a branching database Save and retrieve data from a shared space or website	Find information from a database Add information to a database Create their own branching database to answer questions	Ask questions and identify data to be collected Plan and create a database, distinguishing between numerical, text and list data Know how to identify inaccurate data	Collect and record information using databases and spreadsheets Complete complex searches (e.g. using and/or; \leq / \geq) of data in databases and online data sources Solve problems by manipulating data and present their findings	Complete data collection and analysis Select, collect, check accuracy and analyse data through relevant tools and present results
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