



Computing Knowledge and Vocabulary Map Year A

	Theme	Key Knowledge	Vocabulary
YR Autumn	Internet and Safety Using ICT purposefully	<ul style="list-style-type: none"> To know that staying safe on computers means only using them for what they have been directed to do and knowing what to do to solve a problem. To know how to control a mouse and use simple programs. 	Safety online Mouse Click
YR Spring	Coding and programming	<ul style="list-style-type: none"> To know how to use direction buttons on simple games and control a BeeBot and laptop. 	Directions Forwards Backwards left right stop start
YR Summer	Using ICT purposefully	<ul style="list-style-type: none"> To know how to use simple programs independently. To know how to use an iPad or a webcam to take photos. 	Camera Photograph Video
Y1 Autumn	Basic skills	<ul style="list-style-type: none"> To know simple procedures to ensure they stay safe on a computer or other device. To know how to turn on, access a program, save and close down a device. To know how to use a program for simple text and pictures. 	Safety online Login Password Save Shut down Shift Return Delete Backspace Font Size Colour

Yr 2 Autumn	Consolidation of Basic Skills	<ul style="list-style-type: none"> To know simple procedures to ensure they stay safe on a computer or other device. To know about and participate in class social media accounts. To be able to adjust text size, colour and style To know the main keys - space bar, backspace, delete, shift. 	Safety online Login Password Save Shut down Shift Return Delete Backspace Font Size Colour
Y1 Spring	Coding and programming	<ul style="list-style-type: none"> To know how to control motion by specifying steps/ turns/ direction etc. 	Turn Right Left Forwards Backwards Sound Program

Y2 Spring	Coding and programming	<ul style="list-style-type: none"> To know how to select sounds and control when they are heard. 	Turn Right Left Forwards Backwards Sound Program
Y1 Summer	Using ICT purposefully application of prior learning.	<ul style="list-style-type: none"> To alter text size/ colour/ style. To begin to know main keys on a keyboard. 	Font Colour Style Size Keyboard as before
Y2 Summer	Using ICT purposefully application of prior learning.	<ul style="list-style-type: none"> <ul style="list-style-type: none"> To know how to use a keyboard confidently. To be able to select text and manipulate it. Apply Using 2-Email. 	Font Colour Style Size Keyboard as before

Y3/4 Autumn	Internet and Safety Using ICT purposefully: Word and Powerpoint	<ul style="list-style-type: none"> • To know how to stay safe and keep personal information private. • To use class email and add attachment. • To know how to change layouts/ formatting/ graphics combining images and text. To know how to use key layout options: • margins/ alignment <p>To know how to make a presentation.</p>	<p>Online safety Email Attachment Layout Format Image Text Wrap Margin Alignment Hyperlink Presentation</p>
Y3/4 Spring	Coding and programming	<ul style="list-style-type: none"> • To know how to design, write and debug a program for a specific purpose. • To know how to control visuals and sounds. • Y4 - To know how to use the function 'show and hide' to control the variable. 	<p>Design Debug Program Visuals Sound Insert Reporter operators</p>
Y3/4 Summer	Using ICT purposefully Application of prior learning: Word and PowerPoint	<ul style="list-style-type: none"> • To remember how to combine text and graphics in Word documents and organise effectively. To know how to create a presentation for a particular task. • 	<p>Text Graphics Presentation Features Hyperlinks</p>
Y5/6 Autumn	Internet and Safety Using ICT purposefully Word and Powerpoint	<ul style="list-style-type: none"> • To know how to keep themselves and others safe on the internet and to use the internet responsibly. • To understand the concept of copyright and use information and images responsibly. 	<p>Online safety Cyber bullying Social media Copyright Sub-folders Edit</p>

		<ul style="list-style-type: none"> To know how to organise their documents using sub-folders. To know how to use a range of tools in Word to edit including use of tables. To know how to produce a presentation with sound effects and effective transitions. 	Table Table properties Borders Fill Shade Line Animation Sounds Transitions
Y5/6 Spring	Coding and programming	<ul style="list-style-type: none"> To know how to use IF THEN ELSE controls. To know how to use sequence, selection and repetition in programs. Y6 - To know how to use lists to create a set of variables. 	If then else Sequence Selection Repetition Boolean operators
Y5/6 Summer	Using ICT purposefully Application of prior learning: Word and PowerPoint	<ul style="list-style-type: none"> To remember how to format a Word document well, adjusting margins, text size and style. To know how to edit a table: shading, borders and inserting and merging cells. To know how to independently produce a PowerPoint incorporating a range of features: sound effects, animation, hyperlinks. 	Format Text Edit Adjust Margins Table properties Insert/ delete/ merge Animation Hyperlink Sound effects

	Theme	Knowledge	Vocabulary
YR Autumn	Internet and Safety Using ICT purposefully	<ul style="list-style-type: none"> To know that staying safe on computers means only using them for what they have been directed to do and knowing what to do to solve a problem. To know how to control a mouse and use simple programs. 	Safety online Mouse Click

YR Spring	Coding and programming	<ul style="list-style-type: none"> To know how to use direction buttons on simple games and control a BeeBot and laptop. 	Directions Forwards
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Computing Knowledge and Vocabulary Map Year B

			Backwards left right stop start
YR Summer	Using ICT purposefully	<ul style="list-style-type: none"> To know how to use simple programs independently. To know how to use a digital camera. 	Camera Photograph Video
Y1 Autumn	Basic Skills	<ul style="list-style-type: none"> To know simple procedures to ensure they stay safe on a computer or other device. To know how to turn on, access a program, save and close down a device. To know how to use a program for simple text and pictures. 	Safety online Login Password Save Shut down Shift Return Delete Backspace Font Size Colour
Y2 Autumn	Using Internet Safely	<ul style="list-style-type: none"> To know how to use social media safely. To be able to adjust text size, colour and style. To know the main keys - space bar, backspace delete, shift. 	Safety online Login Password Save Shut down Shift Return Delete Backspace Font Size

			Colour
Y1 Spring	Coding and programming	<ul style="list-style-type: none"> To know how to control motion by specifying steps/ turns/ direction etc. 	Turn Right Left Forwards Backwards Sound Program
Y2 Spring	Coding and programming	<ul style="list-style-type: none"> Y2 - To know how to select sounds and control when they are heard. 	Turn Right Left Forwards Backwards Sound Program
Y1 Summer	Using ICT purposefully application of prior learning.	Y1 - To alter text size/ colour/ style. To begin to know main keys on a keyboard. Use 2investigate to create a database.	Font Colour Style Size Keyboard as before
Y2 Summer	Using ICT purposefully to create databases	Y2- to know how to use a keyboard confidently. To be able to select text and manipulate it. Use 2investigate to create a database.	Font Colour Style Size Keyboard as before

Y3/4 Autumn	Internet and Safety Using ICT purposefully: Publisher and 2 Investigate	<ul style="list-style-type: none"> To know how to stay safe and keep personal information private. To use class email and add attachment. To know how to make a simple document for a specific purpose. To know how to insert text boxes, shade, border and resize. To know how to handle data in 2investigate to produce graphs and tables. 	Online safety Email Attachment Layout Format Document Text box Fill Line Data
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			Graph Table
Y3/4 Spring	Coding and programming	<ul style="list-style-type: none"> To know how to design, write a debug a program for a specific purpose. To know how to control visuals and sounds. Y4 - To know how to use the Reporter operators to perform calculations. 	Design Debug Program Visuals Sound Insert Reporter operators
Y3/4 Summer	Using ICT purposefully Application of prior learning: Publisher and 2 Investigate	<ul style="list-style-type: none"> To remember how to combine text and graphics in Publisher documents and organise effectively for a range of purposes. To know how to use 2investigate to process information and produce graphs and tables. 	Text Graphics Presentation Graph Table Data

			Problem
Y5/6 Autumn	Internet and Safety Using ICT purposefully Publisher and Excel	<ul style="list-style-type: none"> • To know how to keep themselves and others safe on the internet and to use the internet responsibly. • To understand the concept of copyright and use information and images responsibly. • To know how to organise their documents using sub-folders. • To know how to use a range of tools in Publisher to produce a range of documents including varied fonts, Word Art, text boxes and images. • To know how to produce a simple spreadsheet to perform a particular function. • To know how to insert simple formulae into an Excel workbook to carry out calculations. 	Online safety Cyber bullying Social media Copyright Sub-folders Publisher Documents Text box Excel Spreadsheet Formula Auto-sum
Y5/6 Spring	Coding and programming	<ul style="list-style-type: none"> • To know how to use IF THEN ELSE controls. To know how to use sequence, selection and repetition in programs. • Y6 - To know how to use lists to create a set of variables. • To use the Boolean operators. 	If then else Sequence Selection Repetition Boolean operators
Y5/6 Summer	Using ICT purposefully Application of prior learning: Publisher and Excel	<ul style="list-style-type: none"> • To know how to use Publisher for a specific purpose eg leaflet, newsletter, invitation, etc. • To know how to use simple spreadsheets to answer specific questions. 	Format Document type Text box Fill Spreadsheet Formula Data