St Peter's Computing Medium Term Plan

Year 4

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Coding (CS)	Online safety (DL)	Searching the Internet (DL)	Font and text formatting using different programs (IT)	Creating digital music (IT)	Animations (IT)
Key learning Understand how an IF statement works Understand the 'repeat until' command Understand how an IF/ELSE statement works Understand what a variable is in computer programming	Key learning Understand how to protect themselves from online identify theft Identify positive and negative influences of technology on health and the environment Understand the importance of balancing screen time with other parts of their lives	Key learning To locate information on the search results page Use search effectively to find information Assess whether an information source is true and reliable	Key learning Explore how font size and style and affect the impact of a text	Key learning Electronically compose a piece of music	Key learning Know how animations are created by hand Compare hand made animations with those created on a computer Add backgrounds and sounds
Key Vocabulary If/Else Repeat Until Variable	Key Vocabulary Digital footprint Identify theft	Key Vocabulary Internet browser Search engine	Key Vocabulary Font Bold Underline	Key Vocabulary Digital Electronic	Key Vocabulary Animation Frame Video clip
Key questions Explain the stages of the design, code, test, debug coding process	Key questions How can we avoid some of the dangers of technology?	Key questions What do I need to remember when searching the internet?	Key questions How can changing the font help to make my writing more effective?	Key questions How can computer software help me to create a piece of music?	Key questions What is an animation? What are the advantages of using computer software compared with hand made?
Key resources 2Code	Key resources Various	Key resources Internet browser	Key resources Various	Key resources Busy beats	Key resources 2Animate
Purple Mash unit 4.1	Purple Mash unit 4.2	Purple Mash unit 4.7	Purple Mash unit 4.4	Purple Mash unit Busy Beats	Purple Mash unit 4.6

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Spreadsheets (IT)	Parts of a computer (CS)			Coding with Logo (CS)
Key learning	Key learning Format cells (e.g. currency) Combine tools to make spreadsheet activities e.g. timed x tables tests Add a formula to a cell	Key learning Recall the different parts that make up a computer	Key learning	Key learning	Key learning Learn the structure of the coding language or Logo Use the Repeat function Build procedures in Logo
Key Vocabulary	Key Vocabulary Format cells Formula	Key Vocabulary Motherboard CPU RAM Graphics card Network card	Key Vocabulary	Key Vocabulary	Key Vocabulary LOGO Repeat PU PD FD
Key questions	Key questions How can a spreadsheet be used to help us with our learning in Maths?	Key questions What is the difference between hardware and software? What hardware have we learnt about in this unit?	Key questions	Key questions	Key questions What is logo?
Key resources	Key resources 2Calculate	Key resources Pictures of parts of a computer	Key resources	Key resources	Key resources 2Logo
Purple Mash unit	Purple Mash unit 4.3	Purple Mash unit 4.8	Purple Mash unit	Purple Mash unit	Purple Mash unit 4.5

DL = Digital literacy; CS = Computer science; IT = Information technology