St Peter's Computing Medium Term Plan

Year 3

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Coding (CS)	**Online safety (DL)**	**An introduction to email (DL)**	**Representing data (IT)**	**Branching databases (IT)**	**Using PowerPoint (IT)**
Key learning Understand what a flowchart is and how flowcharts are used in computer programming Select the right type of timer for a purpose Use the repeat command	Key learning To know what makes a safe password To consider the truth of the content of websites To learn about the meaning of age restrictions symbols on digital media and devices	Key learning Open and respond to an email Learn how to use email safely Add an attachment to an email	Key learning Present the results of an investigation in graphic form	Key learning Complete a branching database Create a branching database	Key learning Create a page in a presentation Add media, animations and timings to a presentation
Key Vocabulary Event Flowchart Timer Repeat	Key Vocabulary Password PEGI rating Spoof website	Key Vocabulary Email Compose Send Attachment	Key Vocabulary Field Data Row Column	Key Vocabulary Database Branching database Data	Key Vocabulary Presentation Animation Slide Transition
Key questions Why is it useful to use a flowchart to design a computer program? What does repeat mean in computer programming?	Key questions What is a password and why should we keep them safe? Is everything I read on the internet true?	Key questions What is email? What should I do if I receive an email that makes me upset or scared?	Key questions What are the advantages of using a computer to make a graph instead of pencil, paper and crayons?	Key questions What is meant by data? What is a database? What is a branching database?	Key questions What is a presentation programme used for? What features can you use to make a presentation more interesting?
Key resources www.code.org 2Code	Key resources 2connect	Key resources 2Email	Key resources 2Graph	Key resources 2Question	Key resources MS PowerPoint
Purple Mash unit 3.1	Purple Mash unit 3.2	Purple Mash unit 3.5	Purple Mash unit	Purple Mash unit 3.6	Purple Mash unit 3.9

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Spreadsheets (IT)		**Simulation (IT)**		
Key learning	Key learning To use the symbols more than, less than and equal to, to compare values Collect data and produce a variety of graphs Know how to locate a cell using cell references	Key learning	Key learning To consider what simulations are To explore a simulation To evaluate a simulation	Key learning	Key learning
Key Vocabulary	Key Vocabulary <=> Columns Rows Cells	Key Vocabulary	Key Vocabulary Simulation	Key Vocabulary	Key Vocabulary
Key questions	Key questions How can we locate a cell in a spreadsheet?	Key questions	Key questions What is a computer simulation? What kind of simulations are there? Are there any problems with simulations?	Key questions	Key questions
Key resources	Key resources 2Calculate	Key resources	Key resources 2Simulate	Key resources	Key resources
Purple Mash unit	Purple Mash unit	Purple Mash unit	Purple Mash unit 3.7	Purple Mash unit	Purple Mash unit

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