

YEAR 3 COMPUTING - SCHEME OF WORK. OBJECTIVES AND OVERVIEW (2022-2023)

TERM 22/23	AUTUMN 1							AUTUMN 2							SPRING 1						SPRING 2						SUMMER 1						SUMMER 2																			
Week	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	7													
Number of Lessons		1	2	3	4	5	6	1	2	3	4	5	6	7	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	7													
	Unit 3.1 Coding – CRASH COURSE* Number of Weeks: 6 Program: 2Code Predominate Area of Computing: Computer Science NCOs: 3							Unit 3.2 Online Safety Number of Weeks: 3 Program: 2Blog Predominate Area of Computing: Digital Literacy NCOs: 1							Unit 3.5 Email (<i>including email safety</i>) Number of Weeks: 6 Program: 2Email Predominate Area of Computing: Digital Literacy NCOs: 3						Unit 3.4 Touch-Typing Number of Weeks: 4 Program: 2Type Predominate Area of Computing: Information Technology NCOs: 1						Unit 3.9 Using Microsoft PowerPoint Number of Weeks: 5 Program: MS PowerPoint (<i>or Google Slides</i>) Predominate Area of Computing: Information Technology NCOs: 2						Unit 3.3 Spreadsheets- CRASH COURSE* Number of Weeks: 3 Program: 2Calculate Predominate Area of Computing: Information Technology NCOs: 1						Unit 3.6 Branching Databases Number of Weeks: 4 Program: 2Question Predominate Area of Computing: Information Technology NCOs: 1						Unit 3.7 Simulations Number of Weeks: 3 Program: 2Simulate Predominate Area of Computing: Information Technology NCOs: 1			Unit 3.8 Graphing Number of Weeks: 3 Programs: 2Graph 2Blog Predominate Area of Computing: Information Technology NCOs: 1				End of term

National Curriculum Objective: KS2	Stand	Units (that each objective is covered)
Design and write programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.	Computer Science	3.1 Coding
Use sequence, selections and repetition in programs; work with variables and various forms of input and output; generate appropriate inputs and predicted outputs to test programs.	Computer Science	3.1 Coding
Use logical reasoning to explain how a simple algorithm works, detect and correct errors in algorithms and programs.	Computer Science	3.1 Coding
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.	Computer Science	3.5 Email
Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content	Information Technology	
Select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information.	Information Technology	3.3 Spreadsheets 3.4 Touch-Typing 3.5 Email 3.6 Branching Databases 3.7 Simulations 3.8 Graphing 3.9 Using Microsoft PowerPoint
Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact	Digital Literacy	3.2 Online Safety 3.5 Email 3.9 Using Microsoft PowerPoint

* **CRASH COURSE** required as the scheme has not been taught in KS1

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Prior Learning and Post Learning Links

<p>Unit 3.1 Coding – CRASH COURSE</p> <p>Number of Weeks: 6 Program: 2Code</p> <p>Predominate Area of Computing: Computer Science</p> <p>NCOs: 3</p>	<p>Unit 3.2 Online Safety</p> <p>Number of Weeks: 3 Program: 2Blog</p> <p>Predominate Area of Computing: Digital Literacy</p> <p>NCOs: 1</p>	<p>Unit 3.5 Email (<i>including email safety</i>)</p> <p>Number of Weeks: 6 Program: 2Email</p> <p>Predominate Area of Computing: Digital Literacy</p> <p>NCOs: 3</p>	<p>Unit 3.4 Touch-Typing</p> <p>Number of Weeks: 4 Program: 2Type</p> <p>Predominate Area of Computing: Information Technology</p> <p>NCOs: 1</p>	<p>Unit 3.9 Using Microsoft PowerPoint</p> <p>Number of Weeks: 5 Program: MS PowerPoint (<i>or Google Slides</i>)</p> <p>Predominate Area of Computing: Information Technology</p> <p>NCOs: 2</p>	<p>Unit 3.3 Spreadsheets-CRASH COURSE</p> <p>Number of Weeks: 3 Program: 2Calculate</p> <p>Predominate Area of Computing: Information Technology</p> <p>NCOs: 1</p>	<p>Unit 3.6 Branching Databases</p> <p>Number of Weeks: 4 Program: 2Question</p> <p>Predominate Area of Computing: Information Technology</p> <p>NCOs: 1</p>	<p>Unit 3.7 Simulations</p> <p>Number of Weeks: 3 Program: 2Simulate</p> <p>Predominate Area of Computing: Information Technology</p> <p>NCOs: 1</p>	<p>Unit 3.8 Graphing</p> <p>Number of Weeks: 3 Programs: 2Graph 2Blog</p> <p>Predominate Area of Computing: Information Technology</p> <p>NCOs: 1</p>
<p>Prior Learning Links:</p> <p>Year 3 3.1 Coding</p> <p>Post Learning Links:</p> <p>Year 3 3.6 Branching Databases</p> <p>Year 4 4.1 Coding 4.5 Logo 4.6 Animation</p> <p>Year 5 5.1 Coding</p> <p>Year 6 6.1 Coding 6.5 Text Adventures</p>	<p>Prior Learning Links:</p> <p>Year 3 3.2 Online Safety</p> <p>Post Learning Links:</p> <p>Year 3.5 Email</p> <p>Year 4 4.2 Online Safety 4.7 Effective Searching</p> <p>Year 5 5.2 Online Safety</p> <p>Year 6 6.1 Online Safety 6.4 Blogging</p> <p>Year 5 5.2 Online Safety 5.8 Word Processing</p> <p>Year 6 6.4 Blogging</p>	<p>Prior Learning Links:</p> <p>Year 3 3.2 Online Safety</p> <p>Post Learning Links:</p> <p>Year 4 4.2 Online Safety 4.7 Effective Searching</p> <p>Year 5 5.2 Online Safety</p> <p>Year 6 6.1 Online Safety 6.4 Blogging</p>	<p>Prior Learning Links:</p> <p>Year 3 3.5 Email</p> <p>Post Learning Links:</p> <p>Year 4 4.4 Writing for Different Audiences 4.7 Effective Searching</p> <p>Year 5 5.7 Concept Maps 5.8 Word Processing</p> <p>Year 6 6.4 Blogging 6.5 Text Adventures</p>	<p>Prior Learning Links:</p> <p>3.4 Touch-Typing</p> <p>Post Learning Links:</p> <p>Year 4 4.4 Writing for Different Audiences</p> <p>Year 5 5.7 Concept Maps 5.8 Word Processing</p> <p>Year 6 6.4 Blogging 6.7 Quizzing</p>	<p>Prior Learning Links:</p> <p>Post Learning Links:</p> <p>Year 3 3.8 Graphing</p> <p>Year 4 4.3 Spreadsheets</p> <p>Year 5 5.3 Spreadsheets 5.4 Databases</p> <p>Year 6 6.9 Spreadsheets with MS Excel</p>	<p>Prior Learning Links:</p> <p>Post Learning Links:</p> <p>Year 3 3.8 Graphing</p> <p>Year 4 4.3 Spreadsheets</p> <p>Year 5 5.4 Databases</p> <p>Year 6 6.7 Quizzing 6.9 Spreadsheets with MS Excel</p>	<p>Prior Learning Links:</p> <p>Year 3 3.1 Coding</p> <p>Post Learning Links:</p> <p>Year 4 4.1 Coding</p> <p>Year 5 5.1 Coding</p> <p>Year 6 6.1 Coding</p>	<p>Prior Learning Links:</p> <p>Year 3 3.3 Spreadsheets 3.6 Branching Databases</p> <p>Post Learning Links:</p> <p>Year 4 4.3 Spreadsheets</p> <p>Year 5 5.4 Databases</p> <p>Year 6 6.9 Spreadsheets with MS Excel</p>