

YEAR 6 COMPUTING - SCHEME OF WORK. OBJECTIVES AND OVERVIEW (2022-2023)

TERM 22/23	AUTMUM 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						1	2	3	4	5	6	1	2	3	4			1	2	3	4			1	2	3	4	5	6	1	2	3	4	5	6	7	
	Unit 6.1 Coding Number of Weeks: 6 Program: 2Code Predominate Area of Computing: Computer Science NCOs: 4							Unit 6.2 Online Safety Number of Weeks: 2 Predominate Area of Computing: Digital Literacy NCOs: 3							Unit 6.9 Spreadsheets (with Microsoft Excel or Google Sheets) Number of Weeks: 8 Program: Microsoft Excel (or Google Sheets) Predominate Area of Computing: Information Technology NCOs: 3 Unit 6.5						Text Adventures Number of Weeks: 5 Program: 2Code 2Connect Predominate Area of Computing: Computer Science NCOs: 4						Unit 6.4 Blogging Number of Weeks: 4 Program: 2Blog Predominate Area of Computing: Information Technology NCOs: 3						Unit 6.6 Networks Number of Weeks: 3 Predominate Area of Computing: Computer Science NCOs: 1						Unit 6.7 Quizzing Number of Weeks: 6 Program: 2Quiz 2DIY 2Investigate Text Toolkit 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	6.1 Coding 6.5 Text Adventures 6.9 Spreadsheets with MS Excel
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	6.1 Coding 6.5 Text Adventures
Use logical reasoning to explain how a simple algorithm works, detect and correct errors in algorithms and programs.	Computer Science	6.1 Coding 6.5 Text Adventures 6.9 Spreadsheets with MS Excel
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	6.2 Online Safety 6.4 Blogging 6.6 Networks
Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content	Information Technology	6.2 Online Safety
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	6.1 Coding 6.4 Blogging 6.5 Text Adventures 6.7 Quizzing 6.9 Spreadsheets with MS Excel
Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact	Digital Literacy	6.2 Online Safety 6.4 Blogging

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Prior Learning and Post Learning Links

<p>Unit 6.1 Coding</p> <p>Number of Weeks: 6 Program: 2Code</p> <p>Predominate Area of Computing: Computer Science</p> <p>NCOs: 4</p>	<p>Unit 6.2 Online Safety</p> <p>Number of Weeks: 2</p> <p>Predominate Area of Computing: Digital Literacy</p> <p>NCOs: 3</p>	<p>Unit 6.5 Text Adventures</p> <p>Number of Weeks: 5 Program: 2Code 2Connect</p> <p>Predominate Area of Computing: Computer Science</p> <p>NCOs: 4</p>	<p>Unit 6.9 Spreadsheets (with Microsoft Excel or Google Sheets)</p> <p>Number of Weeks: 8 Program: Microsoft Excel (or Google Sheets)</p> <p>Predominate Area of Computing: Information Technology</p> <p>NCOs: 3</p>	<p>Unit 6.4 Blogging</p> <p>Number of Weeks: 4 Program: 2Blog</p> <p>Predominate Area of Computing: Information Technology</p> <p>NCOs: 3</p>	<p>Unit 6.6 Networks</p> <p>Number of Weeks: 3</p> <p>Predominate Area of Computing: Computer Science</p> <p>NCOs: 1</p>	<p>Unit 6.7 Quizzing</p> <p>Number of Weeks: 6 Program: 2Quiz 2DIY 2Investigate Text Toolkit</p> <p>Predominate Area of Computing: Information Technology</p> <p>NCOs: 1</p>
<p>Prior Learning Links:</p> <p>Year 3 3.1 Coding 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>Post Learning Links:</p> <p>Year 6 6.5 Text Adventures</p>	<p>Prior Learning Links:</p> <p>Year 3 3.2 Online Safety 3.5 Email</p> <p>Year 4 4.2 Online Safety 4.7 Effective Searching</p> <p>Year 5 5.2 Online Safety 5.8 Word Processing</p> <p>Post Learning Links:</p> <p>Year 6 6.4 Blogging</p>	<p>Prior Learning Links:</p> <p>Year 3 3.1 Coding 3.6 Branching Databases</p> <p>Year 4 4.1 Coding</p> <p>Year 5 5.1 Coding 5.5 Game Creator 5.7 Concept Maps</p> <p>Year 6 6.1 Coding</p>	<p>Prior Learning Links:</p> <p>Year 3 3.3 Spreadsheets 3.8 Graphing 3.9 Presenting</p> <p>Year 4 4.3 Spreadsheets</p> <p>Year 5 5.3 Spreadsheets 5.4 Databases 5.8 Word Processing</p>	<p>Prior Learning Links:</p> <p>Year 3 3.2 Online Safety 3.5 Email</p> <p>Year 4 4.2 Online Safety 4.7 Effective Searching</p> <p>Year 5 5.2 Online Safety 5.8 Word Processing</p> <p>Year 6 6.2 Online Safety</p>	<p>Prior Learning Links:</p> <p>Year 3 3.2 Online Safety 3.5 Email</p> <p>Year 4 4.2 Online Safety 4.7 Effective Searching 4.8 Hardware Investigators</p> <p>Year 5 5.2 Online Safety</p> <p>Year 6 6.2 Online Safety 6.4 Blogging</p>	<p>Prior Learning Links:</p> <p>Year 3 3.1 Coding 3.6 Branching Databases</p> <p>Year 4 4.2 Online Safety 4.4 Writing for Different Audiences</p> <p>Year 5 5.2 Online Safety 5.4 Databases 5.5 Game Creator</p>