

Computing Curriculum Overview

Each class uses Purple Mash as the base scheme to deliver the Computing curriculum across school.

What we teach and when?

Units by Year Group – Single Age Classes

Theme Key:																																
		Coding and Computational thinking		Spreadsheets		Internet and Email		Art and Design		Music		Databases and graphing		Writing and Presenting		Communication and networks																
Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
YEAR 1	Unit 1.1 Online Safety & Exploring Purple Mash				Unit 1.2 Grouping & Sorting		Unit 1.3 Pictograms		Unit 1.4 Lego Builders		Unit 1.5 Maze Explorers		Unit 1.6 Animated Story Books		Unit 1.7 Coding			Unit 1.8 Spreadsheets		Unit 1.9 Technology outside school												
	Weeks – 4				Weeks – 2		Weeks – 3		Weeks – 3		Weeks – 3		Weeks – 5		Weeks – 6			Weeks – 3		Weeks – 2												
	Programs – Various				Programs – 2DIY		Programs – 2Count		Programs – 2DIY		Programs – 2Go		Programs – 2Create A Story		Programs – 2Code			Programs – 2Calculate		Programs – Various												
Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
YEAR 2	Unit 2.1 Coding					Unit 2.2 Online Safety			Unit 2.3 Spreadsheets				Unit 2.4 Questioning				Unit 2.5 Effective Searching		Unit 2.6 Creating Pictures			Unit 2.7 Making Music		Unit 2.8 Presenting Ideas								
	Weeks – 5					Weeks – 3			Weeks – 4				Weeks – 5				Weeks – 3		Weeks – 5			Weeks – 3		Weeks – 4								
	Programs – 2Code					Programs – Various			Programs – 2Calculate				Programs – 2Question, 2Investigate				Programs – Browser		Programs – 2PaintAPicture			Programs – 2Sequence		Programs – Various								

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YEAR 3	Unit 3.1 Coding						Unit 3.2 Online safety			Unit 3.3 Spreadsheets			Unit 3.4 Touch Typing			Unit 3.5 Email (including email safety)				Unit 3.6 Branching Databases		Unit 3.7 Simulations		Unit 3.8 Graphing									
	Number of Weeks – 6						Weeks – 3			Weeks – 3			Weeks – 4			Weeks – 6				Weeks – 4		Weeks – 3		Weeks – 3									
Main Programs – 2Code						Programs – Various			Programs – 2Calculate			Programs – 2Type			Programs – 2Email, 2Connect, 2DIY				Programs – 2Question		Programs – 2Simulate, 2Publish		Programs – 2Graph										
Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
YEAR 4	Unit 4.1 Coding						Unit 4.2 Online safety			Unit 4.3 Spreadsheets				Unit 4.4 Writing for different audiences				Unit 4.5 Logo		Unit 4.6 Animation		Unit 4.7 Effective Search		Unit 4.8 Hardware Investigators									
	Number of Weeks – 6						Weeks – 4			Weeks – 6				Weeks – 5				Weeks – 4		Weeks – 3		Weeks – 3		Weeks – 2									
Main Programs – 2Code						Programs – Various			Programs – 2Calculate				Programs – 2Email, 2Connect, 2DIY				Programs – Logo		Programs – 2Animate		Programs – Browser												
Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
YEAR 5	Unit 5.1 Coding						Unit 5.2 Online safety			Unit 5.3 Spreadsheets				Unit 5.4 Databases		Unit 5.5 Game Creator			Unit 5.6 3D Modelling		Unit 5.7 Concept Maps												
	Number of Weeks – 6						Weeks – 3			Weeks – 6				Weeks – 4		Weeks – 5			Weeks – 4		Weeks – 4												
Main Programs – 2Code						Programs - Various			Programs – 2Calculate				Programs – 2Question, 2Investigate		Programs – 2DIY 3D			Programs – 2Design and Make		Programs – 2Connect													

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YEAR 6*	Unit 6.1 Coding						Unit 6.2 Online safety			Unit 6.3 Spreadsheets					Unit 6.4 Blogging				Unit 6.5 Text Adventures				Unit 6.6 Networks			Unit 6.7 Quizzing						
	Number of Weeks – 6						Weeks – 2			Weeks – 5					Weeks – 5				Weeks – 5				Weeks – 3			Weeks – 6						
	Main Programs – 2Code						Programs - Various			Programs – 2Calculate					Programs – 2Blog				Programs – 2Code, 2Connect							Programs – 2Quiz, 2DIY, Text Toolkit, 2Investigate						

* There is an optional unit 6.8 – Understanding Binary that can be used in addition to the above units. It is a four week unit.