Long Term Plan

Predominant Area of Computing*		
Computer Science	Information Technology	Digital Literacy

*Most units will include aspects of all strands.

Year 1 – covered by Enderby Rd Infant School

	Unit 1.1	Unit 1.2	Unit 1.3	Unit 1.4	Unit 1.5	Unit 1.6	Unit 1.7	Unit 1.8	Unit 1.9
	Online Safety & Exploring Purple Mash	*Grouping & Sorting*	*Pictograms*	*Lego Builders*	*Maze Explorers*	*Animated Story Books*	*Coding*	*Spreadsheets*	*Technology outside school*
Number of lessons	*4*	*2*	*3*	*3*	*3*	*5*	*6*	*3*	*2*
Main tool			*2Count*		*2Go*	*2Create A Story*	*2Code*	*2Calculate*	

Year 2– covered by Enderby Rd Infant School

	Unit 2.1	Unit 2.2	Unit 2.3	Unit 2.4	Unit 2.5	Unit 2.6	Unit 2.7	Unit 2.8
	Coding	*Online Safety*	*Spreadsheets*	*Questioning*	*Effective Searching*	*Creating Pictures*	*Making Music*	*PresentingIdeas*
Number of lessons	**6**	**3**	**4**	**5**	**3**	**5**	**3**	**4**
Main tool	2Code		2Calculate	2Question 2Investigate		2Paint A Picture	2Sequence	

Year 3 – Recap/Assess Prior Knowledge on entry to Leys Farm Junior School

	Unit 3.1	Unit 3.2	Unit 3.3	Unit 3.4	Unit 3.5	Unit 3.6	Unit 3.7	Unit 3.8	Unit 3.9
	Coding	Online safety	Spreadsheets	Touch Typing	Email (inc. email safety)	Branching Databases	Simulations	Graphing	Presenting
Number of lessons	6	3	3	4	6	4	3	3	5\6*
			4 lessons for Crash Course						
Main tool	2Code		2Calculate	2Type	2Email	2Question	2Simulate	2Graph	PowerPoint or Google Slides

*Platform dependent

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 Searching	Unit 4.8 Hardware Investigators	Unit 4.9 Making Music
Number of lessons	6	4	6	5	4	3	3	2	4
Main tool	2Code		2Calculate		2Logo	2Animate			Busy Beats

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	Unit 5.8 Word Processing
Number of lessons	6	3	6	4	5	4	4	8
Main tool	2Code		2Calculate	2Investigate	2DIY 3D	2Design & Make	2Connect	MS Word or Google Docs

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	Unit 6.8 Understanding Binary	6.9 Spreadsheets
Number of lessons	6	2	5	4	5	3	6	4	8
Main tool	2Code		2Calculate	2Blog			2Quiz		Excel or Google Sheets

Year 3\4 – Cycle A

Predominant Area of Computing*		
🟥 Computer Science	🟦 Information Technology	🟨 Digital Literacy

*Most units will include aspects of all strands.

Coding **Number of lessons** – 6 **Main Programs** – 2Code **See table below for breakdown.**	**Unit 3.2** **Online safety** **Number of lessons** – 3 **Programs** – Various	**Unit 3.3** **Spreadsheets** **Number of lessons** – 3 **Programs** – 2Calculate
Unit 3.4 **Touch Typing** **Number of lessons** – 4 **Programs** – 2Type	**Unit 3.5** **Email** (including email safety) **Number of lessons** – 6 **Programs** – 2Email, 2Connect, 2DIY	**Unit 3.6 Branching** **Databases** **Number of lessons** – 4 **Programs** – 2Question
Unit 3.7 **Simulations** **Number of lessons** – 3 **Programs** – 2Simulate, 2Publish	**Unit 3.8** **Graphing** **Number of lessons** – 3 **Programs** – 2Graph	

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Year 3\4 – Cycle B

Predominant Area of Computing*		
Computer Science	Information Technology	Digital Literacy

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Coding	Unit 4.2	Unit 4.3
Number of lessons – 6 **Main Programs** – 2Code **See table below for breakdown.**	**Online safety** **Number of lessons** – 4 **Programs** – Various	**Spreadsheets** **Number of lessons** – 6 **Programs** – 2Calculate
Unit 4.4 **Writing for different audiences** **Number of lessons** – 5 **Programs** – 2Email, 2Connect, 2DIY	**Unit 4.5** **Logo** **Number of lessons** – 4 **Programs** – Logo	**Unit 4.6** **Animation** **Number of lessons** – 3 **Programs** – 2Animate
Unit 4.7 **Effective Search** **Number of lessons** – 3 **Programs** – Browser	**Unit 4.8** **Hardware Investigators** **Number of lessons** – 2	

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Year 5\6 – Cycle A

Predominant Area of Computing*		
■ Computer Science	■ Information Technology	■ Digital Literacy

*Most units will include aspects of all strands.

Coding

Number of lessons – 6

Main Programs – 2Code

See table below for breakdown.

Unit 5.2

Online safety

Number of lessons – 3

Programs - Various

Unit 5.3

Spreadsheets

Number of lessons – 6

Programs – 2Calculate

Unit 5.4 Databases

Number of lessons – 4

Programs – 2Question, 2Investigate

Unit 5.5

Game Creator

Number of lessons – 5

Programs – 2DIY 3D

Unit 5.6 3D

Modelling

Number of lessons – 4

Programs – 2Design and Make

Unit 5.7

Concept Maps

Number of lessons – 4

Programs – 2Connect

Year 5\6 – Cycle B

Predominant Area of Computing*		
Computer Science	Information Technology	Digital Literacy

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Coding Number of lessons – 6 Main Programs – 2Code See table below for breakdown.	**Unit 6.2** **Online safety** Number of lessons – 2 Programs - Various	**Unit 6.3** **Spreadsheets** Number of lessons – 5 Programs –
Unit 6.4 **Blogging** Number of lessons – 4 Programs – 2Blog	**Unit 6.5 Text Adventures** Number of lessons – 5 Programs – 2Code, 2Connect	**Unit 6.6 Networks** Number of lessons – 3
Unit 6.7 **Quizzing** Number of lessons – 6 Programs – 2Quiz, 2DIY, Text Toolkit, 2Investigate		

Coding Breakdown

YEAR 5 & 6 - CYCLE A 2021 - 2022					
Coding Efficiently Unit 5.1, Lesson 1	Simulating a physical system Unit 5.1, Lesson 2	Friction and Functions Unit 5.1, Lesson 4	Introducing Strings Unit 5.1, Lesson 5	Text Variable and Concatenation Unit 5.1, Lesson 6	User Input Unit 6.1, Lesson 5
YEAR 5 & 6 - CYCLE B 2022 - 2023					
Designing and writing a more complex program Unit 6.1, Lessons 1 & 2		Decomposition and Abstraction Unit 5.1, Lesson 3	Using Functions Unit 6.1, Lesson 3	Flowcharts and control simulations Unit 6.1, Lesson 4	Text Adventure Unit 6.1, Lesson 6

Additional Units

You may choose to do these in addition to or instead of any of the above units. They have not been included above due to the number of weeks in a school year and the number of weeks foreach unit.

Unit 5.8 Word processing (with Microsoft Wordor Google Docs) **Number of Lessons** – 8 **Main program** – MS Word or Google Docs	**Unit 6.9 Spreadsheets (withMicrosoft Excel or Google Sheets)** **Number of Lessons** – 8 **Main program** – MS Excel or Google Sheets	**Unit 6.8 Understanding Binary** **Number of Lessons** – 4 **Main Program** – 2Code