

Computing at Hamer Primary School

	Summer Term
EYFS	Children are introduced to Purple Mash and learn how to log on. Children start to learn about simple computing terms.

Cycle A	Aut 1	Aut 2	Spr 1	Spr 2	Sum 1	Sum 2
Key Stage 1	Introduction to PM (1) Creative Computing	Creating Pictures (1)	Spreadsheets (2)	Animated Stories (1)	Coding (1)	Coding (2)
Lower Key Stage 2	Email (3)	Unpacking Hardware and Software (4)	Route Planners (3)		Effective Searching (4)	Coding
Upper Key Stage 2	Quizzing (5)	Game Creator (5)	Spreadsheets (3)	3D Modelling (6)	Coding	Graphing (6)

Cycle B	Aut 1	Aut 2	Spr 1	Spr 2	Sum 1	Sum 2
Key Stage 1	Introduction to PM (1)	Route Explorers (2)	The Internet (2)	Making Beats (1)	Creating and Following Instructions (1)	Technology Around Us (1)
Lower Key Stage 2	Touch Typing (3) Introduction to AI (4)	Animation (6)	Logo (4)	Branching Databases (3)	Coding	Micro:bits (3)
Upper Key Stage 2	Networks (6) Word Processing (5)	Databases (5)	Blogging (6)	Coding	Crumble (DT Project)	Micro:bits (4)

Term Timings are Approximate

Coding at Hamer

	1 st	2 nd	3 rd	4 th	5 th	6 th
Spring Cycle B						
Lower Key Stage 2	Using Flowcharts 3.1 L1	Using Timers 3.1 L2	Using Repeat 3.1 L3	Code, Test and Debug 3.1 L4	Design and Make an Interactive scene 3.1 L5+6	

Summer Cycle B						
Lower Key Stage 2	Design, Code, Test and Debug 4.1 L1	'if' statements 4.1 L2	Co-ordinates 4.1 L3	Repeat Until and 'if/else' statements 4.1 L4	Number Variables 4.1 L5	Making a Playable game 4.1 L6

Cycle A						
Upper Key Stage 2	Coding Efficiently 5.1 L1	Simulating a physical system 5.1 L2	Friction and Functions 5.1 L4	Introducing Strings 5.1 L5	Text variable and Concatenation 5.1 L6	User Input 6.1 L5

Cycle B						
Upper Key Stage 2	Designing and writing a more complex program 6.1 L1+2		Decomposition and Abstraction 5.1 L3	Using Functions 6.1 L3	Flowcharts and control simulations 6.1 L4	Text Adventure 6.1 L6

Term Timings are Approximate

Online Safety at Hamer Primary School

Cycle A	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception		Online Bullying (2) Online Relationships (2)	Self-Image (1) Online Reputation (1)	Health, Wellbeing and Lifestyle (1)	Privacy and Security (2) Managing Online Information (2)	Copyright and Ownership (2)
Key Stage 1	Online Relationships (Y1-4)	Online Bullying (Y1 – 1) Online Reputation (Y1 – 2)	Self-Image and Identity (Y1-2) Health, Wellbeing and Lifestyle (Y1 – 1)	Privacy and Security (Y1-3)	Managing Online Information (Y1 – 3)	Copyright and Ownership (Y1-4)
Lower Key Stage 2	Self-Image and Identity (Y3-3)	Online Bullying (Y3-2) Online Reputation (Y3-Lessons 1 and 2)	Online Relationships (Y3-Lessons 2,3,4,6)	Health, Wellbeing and Lifestyle (Y3-2) Privacy and Security (Y3)	Managing Online Information (Y3– 6)	
Upper Key Stage 2	Self-Image and Identity (Y5-All 2) Online Reputation	Online Bullying (Y5-1,2,3,4)	Online Relationships (Y5-1,2,3,4)	Health, Wellbeing and Lifestyle (Y5-All 4)	Privacy and Security Copyright and Ownership (Y5-All)	Managing Online Information (Y5-1,2,5,6,8+9 together)

Cycle B	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception		Online Bullying (2) Online Relationships	Self-Image (1) Online Reputation (1)	Health, Wellbeing and Lifestyle (1)	Privacy and Security (2) Managing Online Information (2)	Copyright and Ownership (2)
Key Stage 1	Online Relationships (Y2-Lessons 1-4)	Online Bullying (Y2 All 3)	Self-Image and Identity (Y2-2) Health, Wellbeing and Lifestyle (Y2-1)	Online Reputation (Y2-3)	Privacy and Security – (Y2-Lessons 1-3)	Managing Online Information (Y2 – Lessons 3 and 4) Copyright and Ownership (Y2-2)
Lower Key Stage 2	Self-Image and Identity (Y4-All 3)	Online Bullying (Y4-3) Online Reputation (Y4 Lesson 2)	Online Relationships (Y4-3) Copyright and Ownership (Y4-Lesson 1)	Health, Wellbeing and Lifestyle (Y4-2) Privacy and Security (Y4 –Lesson 2,3,4)	Managing Online Information (Y4 – Lesson 1, 3,4,5,6)	
Upper Key Stage 2	Self-Image and Identity (Y6 – 2,3)	Online Bullying (Y6-All 2) Online Reputation (Y6 -All 2)	Online Relationships (Y6 -All 4)	Health, Wellbeing and Lifestyle (Y6-All 4)	Privacy and Security (Y6-1,5) Copyright and Ownership (Y6-All)	Managing Online Information (Y6-1,3,5,6,8,9)