Suggested long-term plan: Computing (KS1 Mixed-age)

	Cycle A				Cycle B		
	Year 1/2	Usual curriculum year	Key area		Year 1/2	Usual curriculum year	Key area
Autumn 1	Improving mouse skills	Year 1	Computing systems and networks		Bee-bots	Year 1	Programming
Autumn 2	Algorithms unplugged	Year 1	Programming		Digital imagery	Year 1	Creating media
Spring 1	Rocket to the moon	Year 1	Skills showcase		Introduction to data	Year 1	Data handling
Spring 2	What is a computer?	Year 2	Computing systems and networks		Scratch Jr	Year 2	Programming
Summer 1	Algorithms and debugging	Year 2	Programming		Stop-motion	Year 2	Creating media
Summer 2	Word processing	Year 2	Computing systems and networks		International space station	Year 2	Data handling
Online safety	Year 1				Year 2		

	Cycle A				Cycle B		
	Year 3/4	**Usual curriculum year**	**Key area**		**Year 3/4**	**Usual curriculum year**	**Key area**
Autumn 1	Emailing	Year 3	Computing systems and networks		Networks and the internet	Year 3	Computing systems and networks
Autumn 2	Programming: Scratch	Year 3	Programming		Comparison cards	Year 3	Data handling
Spring 1	Video trailers	Year 3	Creating media		Journey inside a computer	Year 3	Computing systems and networks
Spring 2	Website design	Year 4	Creating media		Collaborative learning	Year 4	Computing systems and networks
Summer 1	Further coding with Scratch	Year 4	Programming		Investigating weather	Year 4	Data handling
Summer 2	Computational thinking	Year 4	Programming		HTML	Year 4	Skills showcase
Online safety	Year 3				Year 4		

	Cycle A				Cycle B		
	Year 5/6	Usual curriculum year	Key area		Year 5/6	Usual curriculum year	Key area
Autumn 1	Micro:bit	Year 5	Programming		Programming:Music	Year 5	Programming
Autumn 2	Mars Rover 1	Year 5	Data handling		Stop motion animation	Year 5	Creating media
Spring 1	Mars Rover 2	Year 5	Skills showcase		Search engines	Year 5	Computing systems and networks
Spring 2	Bletchley Park	Year 6	Computing systems and networks		Big data 1	Year 6	Data handling
Summer 1	History of computers	Year 6	Creating media		Big data 2	Year 6	Data handling
Summer 2	Inventing a product	Year 6	Skills showcase		Introduction To Python	Year 6	Programming
Online safety	Year 5				Year 6		