

# Computing

## Long-term plan

Mixed-age

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This document is for mixed-age classes.

It organises the units into a two-year rolling cycle which ensures full coverage of the National Curriculum objectives.

This document was last updated on 21.11.24.



*Kapow*  
Primary™



Cycle A				Cycle B		
Year 1/2	Usual curriculum year	Key area		Year 1/2	Usual curriculum year	Key area
<a href="#">Improving mouse skills</a>	Year 1	Computing systems and networks	Autumn 1	<b>Bee-bots</b> <a href="#">Option 1: Bee-Bots</a> <a href="#">Option 2: Virtual Bee-bots</a>	Year 1	Programming
<a href="#">Algorithms unplugged</a>	Year 1	Programming	Autumn 2	<a href="#">Digital imagery</a>	Year 1	Creating media
<a href="#">Rocket to the moon</a>	Year 1	Skills showcase	Spring 1	<a href="#">Introduction to data</a>	Year 1	Data handling
_____	Year 2	Computing systems and networks	Spring 2	<a href="#">Introduction to block coding</a> _____	Year 2	Programming
_____	Year 2	Programming	Summer 1	<a href="#">Stop motion</a> _____	Year 2	Creating media
<a href="#">Word processing</a>	Year 2	Computing systems and networks	Summer 2	<a href="#">International space station</a>	Year 2	Data handling
_____			Online safety	_____		

Cycle A				Cycle B		
Year 3/4	Usual curriculum year	Key area		Year 3/4	Usual curriculum year	Key area
<a href="#">Emailing</a> <a href="#">Option 2: Microsoft Office 365</a>	Year 3	Computing systems and networks	Autumn 1	_____	Year 3	Computing systems and networks
<a href="#">Programming: Scratch</a>	Year 3	Programming	Autumn 2	<a href="#">Comparison cards databases</a>	Year 3	Data handling
<a href="#">Video trailers</a> <a href="#">Option 2: Using iPads</a>	Year 3	Creating media	Spring 1	<a href="#">Journey inside a computer</a>	Year 3	Computing systems and networks
<a href="#">Website design</a> <a href="#">Option 1: Google</a> <a href="#">Option 2: Microsoft</a> _____	Year 4	Creating media	Spring 2	<a href="#">Collaborative Learning</a> <a href="#">Option 1: Google</a> _____	Year 4	Computing systems and networks
_____	Year 4	Programming	Summer 1	_____	Year 4	Data handling
<a href="#">Computational thinking</a>	Year 4	Programming	Summer 2	<a href="#">HTML</a>	Year 4	Skills showcase
_____	_____	_____	Online safety	_____	_____	_____

Cycle A				Cycle B		
Year 5/6	Usual curriculum year	Key area		Year 5/6	Usual curriculum year	Key area
<a href="#">Micro:bit</a>	Year 5	Programming	Autumn 1	<a href="#">Programming 1: Music</a>	Year 5	Programming
<a href="#">Mars Rover 1</a>	Year 5	Data handling	Autumn 2	<a href="#">Stop motion animation</a> <a href="#">Option 2: Using cameras</a>	Year 5	Creating media
<a href="#">Mars Rover 2</a>	Year 5	Skills showcase	Spring 1	<a href="#">Search engines</a>	Year 5	Computing systems and networks
<a href="#">Bletchley Park and the history of computers</a>	Year 6	Computing systems and networks	Spring 2	<a href="#">Big data 1</a>	Year 6	Data handling
_____	Year 6	Computing systems and networks	Summer 1	_____	Year 6	Data handling
_____	Year 6	Skills showcase	Summer 2	_____	Year 6	Programming
_____			Online safety	_____		

This page shows recent updates to this document.

Date	Update
17.02.23	EYFS unit summaries added.
12.04.23	Broken links fixed.
21.06.23	Removed Google and Microsoft versions of 'Investigating weather' to reflect website content. p.13/p.18 and 'Inventing a product' p.13/p.20.
04.09.23	Updated links to reflect refreshed units on the website.
01.02.24	Updated links to reflect refreshed units on the website.
30.04.24	Updated links to reflect refreshed units on the website.
28.06.24	Updated content to reflect refreshed units on the website.
10.07.24	Added a page about oracy in Computing (p. 7).
20.08.24	Updated content to reflect refreshed units on the website.
25.09.24	Updated to add the new MakeCode unit for Year 2.
04.10.24	Updated to add in the new Exploring AI unit for Year 6.
25.10.24	Updated links.
21.11.24	Change the wording of Year 2 Programming 2 to include Introduction to block coding.

Cycle A				Cycle B		
Year 4/5	Usual curriculum year	Key area		Year 4/5	Usual curriculum year	Key area
<a href="#">Emailing</a>	Year 3	Computing systems and networks	<b>Autumn 1</b>	<a href="#">Networks and the internet</a>	Year 3	Computing systems and networks
<a href="#">Programming: Scratch</a>	Year 3	Programming	<b>Autumn 2</b>	<a href="#">Comparison cards</a>	Year 3	Data handling
<a href="#">_____</a>	Year 3	Creating media	<b>Spring 1</b>	<a href="#">_____</a>	Year 3	Computing systems and networks
<a href="#">_____</a>	Year 4	Creating media	<b>Spring 2</b>	<a href="#">_____</a>	Year 4	Computing systems and networks
<a href="#">_____</a>	Year 4	Programming	<b>Summer 1</b>	<a href="#">_____</a>	Year 4	Data handling
<a href="#">_____</a>	Year 4	Programming	<b>Summer 2</b>	<a href="#">_____</a>	Year 4	Skills showcase
<a href="#">Year 3</a>			<b>Online safety</b>	<a href="#">Year 4</a>		