Computing Curriculum Overview 2022-23

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
2 year olds	Taking photos – Ipads Role play – using telephones Simple remote control toys – forwards and backwards Sound books					
Pre School	Paint packages - Ipads	Taking photos of trees - Ipads	Ipads Maths activities		Simple coding Train track	
	Using Interactive Board for online games Modelling using search engines on the Internet Role play – phones with buttons, till					
Reception	**Keyboard and mouse control- explore Mini Mash on laptops in pairs.** **Use ipads independently** Be confident to try new activities	**Beebots – programmable toys** Develop Prime area PSED through Mini Mash (follow Purple Mash planning) -	**Using software** **Logging on independently** Use Simple City and 2 Create a Story and Mashcam to develop prime area CLL	**Use Ipads and laptops to develop creativity** – 2Paint using Splice, slice, spinner, wet paint and swirly	**Using cameras and media software** Develop Prime Area literacy through Talking Stories and 2 Publish	**Computer Safety** Prime area Maths developed through Maths City 1 and 2, paint shape.
Year 1	**Unit 1.1** Online safety **To Connect** **Unit 1.4** Lego Builders **To Communicate**	**Unit 1.2** Grouping and Sorting **To Collect** **Unit 1.3** Pictograms **To Communicate**	**Unit 1.5** Maze explorers **To Code**	**Unit 1.6** Animated Stories **To Communicate**	**Unit 1.7** Coding **To Code**	**Unit 1.8** Spreadsheets **To Collect** **Unit 1.9** Technology Outside of School **To Communicate/ Connect**
Year 2	**Unit 2.1** Coding **To Code** **Unit 2.2** Online safety **To Connect**	**Unit 2.3** Spreadsheets **To Collect** **Unit 2.2** Online safety **To Connect**	**Unit 2.4** Questioning **To Collect**	**Unit 2.5** Effective searching **To Connect** **Unit 2.2** Online safety **To Connect**	**Unit 2.6** Creating pictures **To Communicate** **Unit 2.2** Online safety **To Connect**	**Unit 2.7** Making music **To Communicate** **Unit 2.8** Presenting ideas **To Communicate**

						Unit 2.7 Making music **To Communicate**	
	Coding – coding teaching in KS1 to be supplemented by the use of Sphero Balls. Purple mash to be used to ensure the understanding of coding and computational thinking. Sphero Balls used to apply learning in an alternative context.						
Year 3	**Unit 3.1** Coding **To Code** **Unit 3.2** Online Safety **To Connect**	**Unit 3.3** Spreadsheets **To Collect**	**Unit 3.4** Touch Typing **To Communicate** **Unit 3.5** Email **To Communicate**	**Unit 3.6** Branching Databases **To Collect**	**Unit 3.7** Simulations **To Communicate**	**Unit 3.8** Graphing **To Collect**	
Year 4	Unit 4.1 Coding **To Code** *Online safety to be taught throughout each unit	Unit 4.3 Spreadsheets **To Collect**	Unit 4.4 Writing for Different Audiences **To Communicate**	Unit 4.5 Logo **To Code**	Unit 4.6 Animation/Effective Searching **To Communicate**	Unit 4.8 Hardware Investigators **To Connect**	
	Coding – coding teaching in Years 3 and 4 to be supplemented by the use of Botleys. Purple mash to be used to ensure the understanding of coding and computational thinking. Botleys used to apply learning in an alternative context.						
Year 5	**Unit 5.4** Databases **To Collect**	**Unit 5.1** Coding **To Code** **Unit 5.2** Online safety **To Connect**	**Unit 5.2** Online safety **To Connect** **Unit 5.6** 3D Modelling **To Communicate**	**Unit 5.3** Spreadsheets **To Collect**	**Unit 5.5** Game creator **To Communicate**	**Unit 5.7** Concept maps **To Communicate**	
Year 6	**Unit 6.1** Coding **To Code** **Unit 6.2** Online Safety **To Connect**	**Unit 6.2** Online safety **To Connect** **Unit 6.3** Spreadsheets **To Collect**	**Unit 6.4** Blogging **To Connect**	**Unit 6.5** Text Adventures **To Communicate**	**Unit 6.6** Networks **To Connect**	**Unit 6.7** Quizzing **To Communicate**	
	Coding – coding teaching in Years 5 and 6 to be supplemented by the use of Lego Education. Purple mash to be used to ensure the understanding of coding and computational thinking. Lego Education used to apply learning in an alternative context.						