







2019-20 Long Term Plan for Computing

Theme Key:															
	Coding and Computational thinking		Spreadsheets		Internet and Email		Art and Design		Music		Databases and graphing		Writing and Presenting		Communication and networks

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2		
Reception	Knows that information can be retrieved from computers Shows skill in making toys work by pressing parts or lifting flaps to achieve effects such as sound, movements or new Images	They select and use technology for particular purposes (e.g. a camera to record something) Complete a simple program on a computer	They select and use technology for particular purposes (e.g. a camera to record something) Complete a simple program on a computer	1x online safety – read penguin pig Complete a simple program on a computer	They select and use technology for particular purposes (e.g. a camera to record something)	They select and use technology for particular purposes (e.g. a camera to record something)		
Year 1	Unit 1.2 Grouping & Sorting Weeks – 2 Programs – 2DIY	Unit 1.1 Online Safety & Exploring Purple Mash Weeks – 4 Programs – Various	Unit 1.3 Pictograms Weeks – 3 Programs – 2Count	Unit 1.4 Lego Builders Weeks – 3 Programs – 2DIY	Unit 1.6 Animated Story Books Weeks – 5 Programs – 2Create A Story	Unit 1.7 Coding Weeks – 6 Programs – 2Code	Unit 1.8 Spreadsheets Weeks – 3 Programs – 2Calculate	Unit 1.9 Technology outside school Weeks – 2 Programs – Various
Year 2	Unit 2.6 Creating Pictures Weeks – 5 Programs – 2PaintAPicture	Unit 2.1 Coding Weeks – 5 Programs – 2Code	Unit 2.2 Online Safety Weeks – 3 Programs – Various	Unit 2.5 Effective Searching Weeks – 3 Programs – Browser	Unit 2.3 Spreadsheets Weeks – 4 Programs – 2Calculate	Unit 2.4 Questioning Weeks – 5 Programs – 2Question, 2Investigate	Unit 2.7 Making Music Weeks – 3 Programs – 2Sequence	Unit 2.8 Presenting Ideas Weeks – 4 Programs – Various
Year 3	Unit 3.5 Email (including email safety) Weeks – 6 Programs – 2Email, 2Connect, 2DIY	Unit 3.1 Coding Number of Weeks – 6 Main Programs – 2Code	Unit 3.2 Online safety Weeks – 3 Programs – Various	Unit 3.3 Spreadsheets Weeks – 3 Programs – 2Calculate	Unit 3.4 Touch Typing Weeks – 4 Programs – 2Type	Unit 3.6 Branching Databases Weeks – 4 Programs – 2Question	Unit 3.7 Simulations Weeks – 3 Programs – 2Simulate, 2Publish	Unit 3.8 Graphing Weeks – 3 Programs – 2Graph
Year 4	Unit 4.4 Writing for different audiences Weeks – 5 Programs – 2Email, 2Connect, 2DIY	Unit 4.1 Coding Number of Weeks – 6 Main Programs – 2Code	Unit 4.2 Online safety Weeks – 4 Programs – Various	Unit 4.3 Spreadsheets Weeks – 6 Programs – 2Calculate	Unit 4.5 Logo Weeks – 4 Programs – Logo	Unit 4.6 Animation Weeks – 3 Programs – 2Animate	Unit 4.7 Effective Search Weeks – 3 Programs – Browser	Unit 4.8 Hardware Investigators Weeks – 2
Year 5	Unit 5.4 Databases Weeks – 4 Programs – 2Question, 2Investigate	Unit 5.1 Coding Number of Weeks – 6 Main Programs – 2Code	Unit 5.2 Online safety Weeks – 3 Programs - Various	Unit 5.3 Spreadsheets Weeks – 6 Programs – 2Calculate	Unit 5.5 Game Creator Weeks – 5 Programs – 2DIY 3D	Unit 5.7 Concept Maps Weeks – 4 Programs – 2Connect		
Year 6	Unit 6.1 Coding Number of Weeks – 6 Main Programs – 2Code	Unit 6.2 Online safety Weeks – 2 Programs - Various	Unit 6.3 Spreadsheets Weeks – 5 Programs – 2Calculate	Unit 6.5 Text Adventures Weeks – 5 Programs – 2Code, 2Connect	Unit 6.6 Networks Weeks – 3	Unit 6.7 Quizzing Weeks – 6 Programs – 2Quiz, 2DIY, Text Toolkit, 2Investigate		