

## Year 5 Computing long term plan 2023-24

(Colour coding/ themes taken from Purple Mash Scheme of Work Overview for Year 5)

	Theme	Programs	Planning	Objectives by week
Term 1	Staying Safe Online - Online Safety (PSHCE)	Browser	GSP Digital Futures – To be taught across terms 1 and 2 in addition to computing sessions)	1)&2) Online relationships 3) Online Reputation 4)&5) Online Bullying 6)&7) Managing online info 8)&9) Health and well-being 10)&11) Privacy and Security 12) Copyright and Ownership
	Coding – Computer science	2Code and 2Chart	Purple Mash Online Coding Unit 5.1	1)Teams Intro 2) Coding efficiently 3) Simulating a physical system 4) Decomposition and Abstraction 5) Friction and functions 6) Introducing Strings
Term 2	Creating a database to present information - Information Technology	2Investigate	Purple Mash Planning Unit Databases 5.4	1)Searching a database 2&3) Creating a class database 4) Creating a planet database
	Coding – Computer Science	BBC Micro:bits	BBC Micro:bit planning	1)Musical algorithms 2)Programming and debugging 3) Musical gestures 4) Controlling music with inputs 5) Evaluating Micro:bit music
Term 3	Creating a spreadsheet to present, analyse, and evaluate information -	2Calculate	Purple Mash Planning 5.3	1)Conversions of measurements 2)The Count tool 3)Formulae 4)Using text variables to create calculations 5)Event Planning with a spreadsheet
Term 4	Use search technologies and combine software - Information Technology	Microsoft PowerPoint	DP MTP PowerPoint Planning	1)&2)Revision of y3 objectives 3)Create quiz questions using research 4)Hyperlink quiz questions 5)Peer evaluate quiz
Term 5	Select, use and combine a variety of software - Information Technology	2Design and Make	Purple Mash Planning 5.6	1)Introduce Design and Make 2)Moving Points 3) Designing a purpose 4)Printing and making
Term 6	Coding – BBC Microbits	Micro:bits	Micro:bit planning Energy Awareness	1)Energy around us 2) Energy data planning 3) Energy data collecting 4) Energy data processing 5) Energy use calculations 6) Energy presentations