



St Marie's Catholic Primary School

Long Term Plan: Computing

	Topic	National Curriculum	Vocabulary	Knowledge	Skills
Year 2	Online Safety	Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.	Search Display Board Internet Sharing Email Attachment Digital footprint	To use digital technology to share work on Purple Mash to communicate and connect with others locally. To have some knowledge and understanding about sharing more globally on the Internet. To open and send simple online communications in the form of email.	To know how to refine searches using the Search tool. To have some knowledge and understanding about sharing more globally on the Internet. To understand how we should talk to others in an online situation To understand that information put online leaves a digital footprint or trail. To identify the steps that can be taken to keep personal data and hardware secure.
	2.3 Spreadsheets	Use technology purposefully to create, organise, store, manipulate and retrieve digital content	Backspace Copy and paste Columns Cells Count tool Delete key Equals tool Image toolbox Lock tool Move cell tool Rows Speak tool spreadsheet	To use 2Calculate image, lock, move cell, speak and count tools to make a counting machine. To learn how to copy and paste in 2Calculate. To use the totalling tools. To use a spreadsheet for money calculations. To use the 2Calculate equals tool to check calculations. To use 2Calculate to collect data and produce a graph.	
	2.5 Effective Searches	Use technology purposefully to create, organise, store,	Internet Search	To gain a better understanding of searching	To understand the terminology associated with

		manipulate and retrieve digital content Recognise common uses of information technology beyond school	Search engine	on the Internet. To create a leaflet to help someone search for information on the Internet.	searching.
	2.7 Making Music	Use technology purposefully to create, organise, store, manipulate and retrieve digital content	BPM Composition Digitally Instruments Music Sound effects Sound track Tempo Volume	To make music digitally using 2Sequence. To explore, edit and combine sounds using 2Sequence. To edit and refine composed music. To upload a sound from a bank of sounds into the Sounds section. To record and upload environmental sounds into Purple Mash. To use these sounds to create tunes in 2Sequence.	To think about how music can be used to express feelings and create tunes which depict feelings.
	Coding Scratch Jnr	Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions. Create and debug simple programs Use logical reasoning to predict the behaviour of simple programs.	Action Algorithm Bug Character Code block Code design Command Debug/debugging Design mode Input Object Properties Repeat Scale Timer When clicked When key	To understand what an algorithm is. To design algorithms and then code them. To compare different object types. To use the repeat command. To use the timer command.	To know what debugging is and debug programs.

Theme Key:



Coding and
Computational
thinking



Spreadsheets



Internet
and
Email



Art and
Design



Music



Databases and
graphing



Writing and
Presenting



Communication
and networks