



## Gig Mill Primary - Computing Curriculum



<b>Intent</b>	Computing uses many skills that will continue throughout life. We aim for well-rounded, creative learning - developing logical, computational thinking to build resilience and problem solving. Children look at programming with logic and problem-solving skills, using their own individual styles. Presenting and processing skills are beneficial for life, allowing manipulation of data. Acquiring a sense of online security, examining what they see and keeping safe.		
	<b>Autumn</b>	<b>Spring</b>	<b>Summer</b>
<b>Nursery</b>	Mouse and Trackpad skills, keyboard skills Discussions on hardware and Technology around us Exploring simple programs	Drawing skills, robots, Safety and privacy, quizzes  Using the IWB	Sounds and photography  Using non-computer based equipment Camera, iPad, bee bots
<b>Reception</b>	Mouse and Trackpad skills, keyboard skills hardware and Technology around us  Exploring programmable toys	Drawing skills, robots, Safety and privacy, quizzes  Opening and closing simple programs	Sounds and photography Using Purple Mash with own login # Logging on with own username and class password Online safety — not sharing passwords.
<b>Year 1</b>	Use technology safely and respectfully, keeping personal information private; identify where to go for help and support.	Use technology safely and understand how it can be beneficial Use technology purposefully to create, organise, store, manipulate and retrieve digital content	Coding Beebots Use technology safely and respectfully, keeping personal information private; identify where to go for help and support.
<b>Year 2</b>	Digital music E-Safety / Coding	Programming — Robot algorithms Digital music	Data and information - pictograms Programming



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	Autumn	Spring	Summer
Year 3	Presenting information – using Word Shell structures using computer- aided design linked to DT using 2 Design	Communicating and presenting information - stone age time line Email-safety and communication	Using the internet to search for information safely Coding
Year 4	Coding Internet Safety Effective searching	Spreadsheets Writing for different audiences Logo	Animation Hardware investigators Making music
Year 5	Online safety – how to stay safe online Presentation skills – Publisher Data handling - Excel	Online safety – citation/reliability Controlling and programming simulations – Kodu, Scratch Purple mash	Editing sound files Multimedia presentations America – topic link
Year 6	Research and research skills Internet Safety – responsible choices, reliability of websites, scams Programming - Microbits	CAD – linked to DT unit Excel spreadsheets	Research and presenting - including hyperlinks Using online discussion - J2bloggy