

Computing: Our Curriculum

We pride ourselves in giving our children a safe and secure environment in which to engage with technology. Our computing curriculum provides our children with the skills and opportunities to prepare for an ever changing digital world. Our aim for the children to be safe on-line and have the skills to understand the technology in order to use it successfully both now and in the uncertain future. Our curriculum is designed to be engaging and challenging. We encourage the pupils to have ownership and independence to make their own choices. Online safety is an integral part of our computing curriculum and our safety strategies are regularly shared with all staff and parents.

	Autumn	Spring	Summer
Nursery	Me and My Community	Starry Night	Sunshine and Sunflowers
	Technology in the home	Digital cameras Online Safety/ Safer Internet Day	Programmable toys
	Once Upon a Time	Dangerous Dinosaurs	Big Wide World
	Technology in the home	Digital cameras	Programmable toys
Regular Exposure To: Beebots, Metal detectors, Talking postcards, Recording Easi-Phones, CD Player, PC, V-tech kids cameras.			
Reception	Let's Explore	Long Ago	Ready, Steady, Grow
	1.3 Pictograms Be aware of technology around us Using a digital camera Using a programmable toy Using a simple program to create a picture (2Simple)	Online Safety/ Safer Internet Day	Using a programmable toy Using a simple program to create a picture (2Simple) and add text
		Animal Safari	On the beach
		Technology in our homes Interact with a simple program (learn pads)	1.3 Pictograms
Year 1	Childhood	Big Lights, Big City	School Days
	1.1 Online Safety & Exploring Purple Mash (4) 1.2 Grouping & Sorting (2) 1.3 Pictograms (3)	1.4 Lego Builders (3) 1.5 Maze Explorers (3) 1.6 Animated Story Books (5) Celebrate Safer Internet Day / Week	1.7 Coding (6) 1.8 Spreadsheets (3) 1.9 Technology outside school (2)
Year 2	Movers and Shakers	Coastline	Magnificent Monarchs
	2.1 Coding (6) 2.2 Online Safety (3) 2.4 Questioning (5)	2.5 Effective Searching (3) Celebrate Safer Internet Day / Week (Repeat) 2.7 Making Music (3)	2.3 Spreadsheets (4) 2.6 Creating Pictures (5) 2.8 Presenting Ideas (4)
Year 3	Through the Ages	Rocks, Relics and Rumbles	Emperors and Empires
	3.1 Coding (6) 3.2 Online Safety (3) 3.7 Spreadsheets (3)	3.4 Touch Typing (4) 3.5 Email (including email safety) (6) Celebrate Safer Internet Day / Week	3.6 Branching Databases (4) 3.7 Simulations (3) 3.8 Graphing (3) 3.9 Presenting with PowerPoint
Year 4	Misty Mountain, Winding River	Invasion	Ancient Civilisations
	4.1 Coding (6) 4.2. Online Safety (4)	4.3 Spreadsheets (6) 4.4 Writing for different audience (5) Celebrate Safer Internet Day / Week 4.6 Animation	4.7 Effective Search (3) 4.8 Hardware Investigators (2) 4.9 Making Music (4) 4.5 Logo (4)
Year 5	Ground breaking Greeks	Dynamic Dynasties	Sow, Grow and Farm
	5.1 Coding (6) 5.2 Online Safety (3) 5.3 Spreadsheets (6)	5.4 Databases (4) 5.5 Game Creator (5) 5.6 Modelling (4) Celebrate Safer Internet Day / Week	5.7 Concept Maps (4) 5.8 Word Processing with Microsoft Word (8)
Year 6	Maafa	Frozen Kingdoms	Britain at War
	6.1 Coding (6) 6.2 Online Safety (2) 6.3 Spreadsheets (5)	6.4 Blogging (4) 6.5 Text Adventures (5) 6.6 Networks (3) Celebrate Safer Internet Day / Week	6.7 Spreadsheets (6) 6.8 Understanding Binary (4) 6.9 Spreadsheets with Excel (8)

Impact

Our Children:

- Are confident users of technology. They are able to use it to accomplish a wide variety of goals, both at home, in school, and for a range of purposes.
- Engage in a curriculum that ensures they have a secure and comprehensive knowledge of the implications of technology and digital systems. This is important in a society where technologies and trends are rapidly evolving.
- Are taught how to stay safe on line and are encouraged to raise any concerns they may have.
- Are able to apply the British values of democracy, tolerance, mutual respect, rule of law and liberty when using digital systems whilst safely developing their own digital identities.