

Computing Vision Statement at St. Matthew's Bloxam C of E Primary School

At St. Matthew's Bloxam C of E Primary School to allow our pupil's light to shine in computing, we inspire to prepare our pupils for a digital future using a wide range of ICT equipment to become responsible, competent, confident and creative users of information and communication technology.

Computing has become part of our everyday life - at school, at work and at home and through teaching computing, we facilitate our children's participation in a world of rapidly-changing technology. As ICT is continually developing and as new technologies emerge, as a school we strive to give all pupils the skills to prepare for their future. We enable children to be confident, creative and independent learners and we teach them ways to find, explore, analyse, exchange and present information. We also help them develop the necessary skills for using information in a safe, discriminating and effective way.

Throughout school, our high-quality computing education equips our pupils to use computational thinking and creativity to understand and change the world, linking strongly with mathematics, science and design and technology. The core of computing is computer science, in which pupils are taught the principles of information and computation, how digital systems work and how to put this knowledge to use through programming. Building on this knowledge and understanding, pupils are equipped to use information technology to create programs, systems and a range of content. We aim to teach our children ways to stay safe through e-safety lessons throughout school.

Spirituality is developed through wondering at the power of the digital age e.g. use of the internet and social media, by understanding the advantages and limitations of ICT and by using the internet as a gateway to big life issues.

At St. Matthew's Bloxam, we aim to inspire and raise ambitions through meeting aspirational professionals to introduce our children to a wide range of occupations, meeting people who use ICT everyday as part of their working life.

Computing ensures that pupils become digitally literate, who are future-ready and are able to use and express themselves and develop their ideas through information and communication technology to become active participants in a digital world at a level suitable for their future workplace.

St. Matthew's Bloxam C of E Primary School

Computing Long Term Plan

Predominant Area of Computing*		
	Computer Science	 Information Technology
		 Digital Literacy

*Most units will include aspects of all strands.

Early Years (Reception)

Use of Mini Mash and Purple Mash as part of the Early Years curriculum to support children in working towards early learning goals.

Year 1

	Unit 1.1	Unit 1.2	Unit 1.3	Unit 1.4	Unit 1.5	Unit 1.6	Unit 1.7	Unit 1.8	Unit 1.9
	Online Safety & Exploring Purple Mash	Grouping & Sorting	Pictograms	Lego Builders	Maze Explorers	Animated Story Books	Coding	Spreadsheets	Technology outside school
Number of lessons	4	2	3	3	3	5	6	3	2
Main tool			2Count		2Go	2Create A Story	2Code	2Calculate	

Autumn term - Learning how to access the computers and log on.

Year 2

	Unit 2.1	Unit 2.2	Unit 2.3	Unit 2.4	Unit 2.5	Unit 2.6	Unit 2.7	Unit 2.8
	Coding	Online Safety	Spreadsheets	Questioning	Effective Searching	Creating Pictures	Making Music	Presenting Ideas
Number of lessons	6	3	4	5	3	5	3	4
Main tool	2Code		2Calculate	2Question 2Investigate		2Paint A Picture	2Sequence	

Year 3

	Unit 3.1	Unit 3.2	Unit 3.3	Unit 3.4	Unit 3.5	Unit 3.6	Unit 3.7	Unit 3.8	Unit 3.9	Unit 3.10
	Coding	Online safety	Spreadsheets	Touch Typing	Email (inc. email safety)	Branching Databases	Simulations	Graphing	Presenting	micro: bit
# lessons	6	3	3 4 lessons for Crash Course	4	6	4	3	2	5/6*	4
Main tool	2Code		2Calculate	2Type	2Email	2Question	2Simulate	2Graph	Power Point or Google Slides	Free code micro: bit

*Platform dependent

Year 4

	Unit 4.1	Unit 4.2	Unit 4.3	Unit 4.4	Unit 4.5	Unit 4.6	Unit 4.7	Unit 4.8	Unit 4.9	Unit 4.10	Unit 4.11
	Coding	Online Safety	Spread sheets	Writing for Different Audiences	Logo	Animation	Effective Searching	Hardware	Making Music	Intro to AI	micro:bit
# lessons	6	4	6	5	4	3	3	2	4	4	4
Main tool	2Code		2Calculate		2Logo	2Animate			Busy Beats		Free code micro: bit

Year 5

	Unit 5.1	Unit 5.2	Unit 5.3	Unit 5.4	Unit 5.5	Unit 5.6	Unit 5.7	Unit 5.8	Unit 5.9
	Coding	Online Safety	Spreadsheets	Databases	Game Creator	3D Modelling	Concept Maps	Word Processing	External Devices
# lessons	6	3	6	4	5	4	4	7/8*	6
Main tool	2Code		2Calculate	2Investigate	2DIY 3D	2Design & Make	2Connect	MS Word or Google Docs	2Code Purple Chip

*Platform dependent

Year 6

	Unit 6.1	Unit 6.2	Unit 6.3	Unit 6.4	Unit 6.5	Unit 6.6	Unit 6.7	Unit 6.8	Unit 6.9
	Coding	Online Safety	Spreadsheets	Blogging	Text Adventures	Networks	Quizzing	Understanding Binary	Spreadsheets
# lessons	6	2	5	4	5	3	6	4	8
Main tool	2Code		2Calculate	2Blog			2Quiz		Excel or Google Sheets