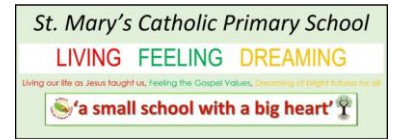




# St Mary's Catholic Primary School

## Computing Curriculum Overview



### Whole School Curriculum Map

	Cycle	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Acorn</b>	A	Mouse and trackpad skills	Keyboard skills	Drawing skills Robots	Sounds Photography	Technology around us Hardware	Safety and privacy
<b>Blossom</b>	A	DL -Online Safety Effective searching	CS/DL Lego Builders CS - Technology outside school	CS/IT - Creating Pictures	IT/DL -Grouping and sorting IT/DL -Spreadsheets	CS/DL -Coding	CS/DL- Coding
	B	DL- Online Safety CS-Maze Explorers	IT/DL -Questioning	DL -Online safety CS- Making music	CS- Animated story books	IT/DL -Spreadsheets Pictograms	IT/DL- Presenting Ideas
<b>Oak</b>	A	CP -Lego Coding -	Online Safety- Antibullying week IT/DL - Digital research	CS-Programming - DL/CS Communication beyond emailing	CS -Lego Coding	IT / DL - digital research	DL/CS - Communication beyond emailing/Online Safety
	B	CS/DL - Lego Education Coding Creating Media	IT - Data Handling - Branching Databases	Online Safety & eSafety Age restrictions online -	IT - Presenting Information	Online Safety IT / DL - digital research	CP -Coding - Purple Mash
	C	CS-Programming	IT - Text and images	Online Safety Use technology safely	IT / DL - digital research	CS/DL - Lego Education Coding	
	D	IT/DL- Creating sound and multimedia and digital research	Online Safety - Anti-bullying week	IT / DL - Digital Research -	CS/DL - Purple Mash - sending emails and attachments	CS/DL - Lego Education Coding	Online Safety - Age restrictions online



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### National Curriculum Overview

Development Matters / ELG	Cycle A		
	Mouse and trackpad skills Keyboard skills	Drawing skills Robots Sounds Photography	Technology around us Hardware Safety and privacy
Show resilience and perseverance in the face of a challenge	✓	✓	✓
Know and talk about the different factors that support their overall health and wellbeing: · sensible amounts of 'screen time'	✓	✓	✓
Develop their small motor skills so that they can use a range of tools competently safely and confidently.	✓	✓	✓
Explore, use and refine a variety of artistic effects to express their ideas and feelings	✓	✓	
Be confident to try new activities and show independence, resilience and perseverance in the face of challenge.	✓	✓	✓
Explain the reasons for rules, know right from wrong and try to behave accordingly	✓	✓	✓
Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function		✓	
Talk about the lives of people around them and their roles in society		✓	✓
Know some differences and similarities between things in the past and now, drawing on their experiences		✓	✓
Describe their immediate environment using knowledge from observation, discussion, texts, maps.		✓	✓





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## Computing Curriculum Overview

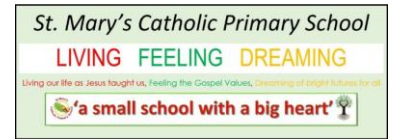


KS2	Cycle A				Cycle B				Cycle C				Cycle D						
	CP - Lego Coding -	Online Safety - Antbullying week	CS-Programming - DL/CS Communication beyond	CS -Lego Coding	IT / DL - digital research	DL/CS - Communication beyond emailing/Online Coding Creating Media	CS/DL - Lego Education Coding Creating Media	IT - Data Handling - Branching Databases	Online Safety & eSafety Age restrictions online -	IT - Presenting Information	CS-Programming	IT - Text and images	Online Safety Use technology safely	IT / DL - digital research	CS/DL - Lego Education Coding	IT/DL - Creating sound and multimedia and digital research	Online Safety - Anti-bullying week	IT / DL - Digital Research	CS/DL - Purple Mash - sending emails and attachments
design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts	✓		✓	✓			✓				✓								
use sequence, selection, and repetition in programs; work with variables and various forms of input and output	✓		✓	✓			✓				✓								✓
use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs	✓		✓	✓			✓				✓	✓							✓
understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration		✓	✓			✓	✓	✓	✓		✓		✓	✓	✓		✓	✓	✓



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## Computing Curriculum Overview



use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content		✓	✓			✓		✓	✓			✓				✓				✓
select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information					✓	✓	✓	✓		✓		✓		✓	✓		✓	✓		✓
use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.		✓	✓			✓	✓		✓					✓	✓	✓	✓	✓	✓	✓