St Joseph the Worker Catholic Primary School
Computing Curriculum Map 2023/24

Computing Curriculum Map

Term	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn	**Technology & Me:** This unit helps children to make sense of and explore the Technology around them. The children will get to experience a range of technology/ equipment, including digital cameras, iPads, video cameras, microscopes and sound recorders.	**My online life** Digital literacy and online safety	**My online life** Digital literacy and online safety	**My online life** Digital literacy and online safety	**My online life** Digital literacy and online safety	**My online life** Digital literacy and online safety	**My online life** Digital literacy and online safety	**Online Safety Dilemmas** Digital Literacy, Children will become online safety ambassadors, looking at every day online safety problems and how to solve these.
Spring	**Nursery Rhyme Coding** Computer science Developing computation thinking. (N)	**Animal safari** Information technology, using iPads independently, scanning QR codes.	**What is a Computer?** Computer science, learning about different parts of computers and IPads.	**Making Games** Computer science, using scratch to make hero and villain games.	**Dancing Robot** The children will be using some of Scratch Jr's more advanced coding blocks to create their own interactive dancing robot game. The children will learn the	**Endangered Animals** Information technology, children will learn advanced searching skills, create a poster informing others about endangered species. The class	**Binary Messages:** information technology. This activity introduces binary code. It explains what binary code is and how it is used. The children then challenge each other to	**VR Worlds** Information technology, children will explore virtual reality and how this can be used in the classroom.

					important skills of critical thinking, problem solving and debugging	will make a film about endangered species.	solve word problems by using binary code.	
Summer	**Pretty Pictures** Information technology, how to take picture and record videos.	**My friend the robot** Computer science, practising instructions to complete tasks.	**News presenter** Information technology, children will take on role of a news presenter and film a clip.	**Presentations and Typing** Information technology, learn how to use presentation software.	**Be Digitally Awesome** Information technology, working on children's core skills with word, spreadsheet and presentation apps.	**Games Designer** Computer science, children will learn about the career of games designing, they will write and play games and pitch their own ideas to the class to create their own game.	**Girls Vs Boys: STEAM challenges** Computer science, boys against girls to complete a series of STEM challenges.	**Coding Playground** Computer Science, Introducing text-based programming and how apps are made.

<div style="color: purple; text-align: center">

READY, RESPECTFUL, RESILIENT

A Loving, Christian family striving to achieve excellence.

</div>