



St Mary's Catholic Primary School – Computing

The four topic area are as follows:

Computing Systems and Networks.	Creating Media.	Programming.	Data and Information.
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The Long-Term Plan includes *links to the wider world (in a blue font)* and *cross-curricular links (in a red font)* to ensure that wider opportunities and purposeful links are accessed across year groups to emphasise the embedded nature of the subject. There are also necessary apps and resources highlighted in each relevant unit to allow for preplanning should the resources be new to children, and reintroduction of the resources that allow the unit to be accessed to it's full extent by every child.



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Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	Computing Systems and networks – Technology Around us. Needs Laptop Paintz Website untitled.png - PaintZ Links to wider world: Health, well-being and lifestyle. Managing Online Information. Image and Identity. Copyright and Ownership.	Creating Media – Digital Painting Paintz Website untitled.png - PaintZ Cross-Curricular Links: Art and Design.	Programming A – Moving a robot BeeBots Cross-Curricular Links: English - Writing	Data and Information – Grouping Data Needs Laptop	Creating Media – Digital Writing Microsoft Word	Programming B – Programming Animations Scratch Jr App on iPads
Year 2	Computing Systems and networks – IT Around us. Google Slides / PowerPoint Links to wider world: Health, Well-being and Lifestyle.	Creating Media – Digital Photography iPads – Photos and Camera Cross-Curricular Links: Art and Design.	Programming A – Robot Algorithms BeeBots	Data and Information – Pictograms J2e pictogram: J1T5 J2e chart: J1T5 Cross-Curricular Links: Maths.	Creating Media – Digital Music Chrome MusicLab: Chrome Music Lab Cross-Curricular Links: Music.	Programming B – Programming Quizzes. Scratch Jr App on iPads
Year 3	Computing Systems and networks – Connecting Computers	Creating Media – Stop-frame Animation	Programming A – Sequencing Sounds.	Data and Information – Branching Databases J2e pictogram: J1T5	Creating Media – Desktop Publishing. Canva: Canva: Visual Suite for Everyone	Programming B – Events and actions in programs.



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	Paint / Painting App Links to wider world: Privacy and Security.	IPad – Photos. iMotion or Stop Motion Studio Apps. Cross-Curricular Links: English – draft and write narratives. History – Roman Empire.	Scratch: https://scratch.mit.edu/	J2e chart: J1T5 J2e branch: J1T5 Cross-Curricular Links: Science – databases.	Follow education guidelines on Unit Plan. Links to wider world: Managing Online Information. Cross-Curricular Links: English – non-narrative material.	Scratch: https://scratch.mit.edu/
Year 4	Computing Systems and networks – The Internet. Laptops Chrome MusicLab: Chrome Music Lab Links to wider world: Managing Online Information. Cross-Curricular Links: PSHE and RSE, Health Education.	Creating Media – Audio Production. WeVideo Other Options: Audacity App Laptops / GarageBand IPads Links to wider world: Copyright and Ownership. Cross-Curricular Links: Science – sound, English – non-narrative material.	Programming A – Repetition in shapes. J2e Code Level 3: Logo J2Code Micro:bits	Data and Information – Data logging. Data Loggers / Arduino Science Journal App Cross-Curricular Links: Science, Maths – data and statistics.	Creating Media – Photo editing. Microsoft Paint Links to wider world: Selfimage and identity.	Programming B – Repetition in games. Scratch: https://scratch.mit.edu/
Year 5	Computing Systems and networks –	Creating Media – Video Production.	Programming A – Selection in Physical Computing.	Data and Information – Flat-file databases.	Creating Media – Introduction to Vector Graphics.	Programming B – Selection in quizzes.



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	Systems and Searching. Links to wider world: Managing Online Information, Privacy and Security. Cross-Curricular Links: PSHE and RSE, Health Education.	IPads WeVideo Links to wider world: Online Relationships.	Electrical Circuits Crumble Programme - Download Cross-Curricular Links: Science – Electricity, D&T.	J2e database: https://www.j2e.com/database/ Cross-Curricular Links: Maths – data and statistics.	Google Drawings / Microsoft Paint / Paintz Cross-Curricular Links: Art and design.	Scratch: https://scratch.mit.edu/
Year 6	Computing Systems and networks – Communication and collaboration. Laptops Microsoft Powerpoint Links to wider world: Managing Online Information, Privacy and Security. Cross-Curricular Links: PSHE and RSE, Health Education.	Creating Media – Web Page Creation. Microsoft Sway / Microsoft Powerpoint Links to wider world: Copyright and Ownership. Cross-Curricular Links: English – composition.	Programming A – Variables in games. Scratch: https://scratch.mit.edu/	Data and Information – Spreadsheets. Microsoft Excel Cross-Curricular Links: Maths – data and statistics.	Creating Media – 3D Modelling. Tinkercad – IT Setup Cross-Curricular Links: Art and design, D&T, Maths – 3D Shapes.	Programming B – Sensing Movement. Micro:bits