



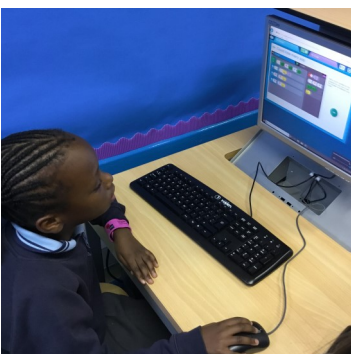
Computing

Curriculum Statement

Computing at Our Lady intends to ensure that pupils become digitally literate with an understanding and experience of computer science and information technology. We aim to develop their role as digital citizens so they are able to use and express themselves through information and communication technology as active participants in a digital world.

What does computing look like at Our Lady of the Rosary?

- Pupils are taught using a range of well-known software, including office suite, as well as a range of online resources, such as Espresso and Purple Mash.
- Pupils are taught computing skills they will use for life in word processing, media and design, alongside more specific skills in coding and programming.
- Each child has access to the internet and is taught how to use it appropriately and safely, alongside how search engines and websites operate.
- Online safety is taught regularly at an age appropriate level and forms the basis of all Computing learning.





Key characteristics of Computing at Our Lady

⇒ Children can:

- ◆ Understand and apply the basic principles and concepts of computer science, including abstraction, logic, algorithms and data representation.
- ◆ Analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems.
- ◆ Evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems.
- ◆ Be safe, responsible, competent, confident and creative users of information and communication technology.
- ◆ Understand how the internet impacts people's lives and how to be a responsible digital citizen.



Curriculum Coverage

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Reception Class	Operate simple toys <i>Computer science</i> Self-Image and Identity <i>Digital Literacy</i>	Equipment work <i>Digital Literacy</i> Managing online Information <i>Digital Literacy</i>	<u>ipads</u> <i>Digital Literacy</i> Safer Internet day Online Relationships Online Reputation Privacy and Security <i>Digital Literacy</i>	Programs and Software <i>Computer science</i> Health, Wellbeing and lifestyle <i>Digital Literacy</i>	Home and School Technology <i>Digital Literacy</i> Online Bullying <i>Digital Literacy</i>	<u>Beebots</u> <i>Computer science</i> Copyright and ownership <i>Digital Literacy</i>
Year 1	Grouping & Sorting <i>Computer science</i> Self-Image and Identity <i>Digital Literacy</i>	Pictograms <i>Information Technology</i> Lego Builders <i>Computer science</i> Managing online Information <i>Digital Literacy</i>	Maze Explorers <i>Computer science</i> Safer Internet day Online Relationships Online Reputation Privacy and Security <i>Digital Literacy</i>	Animated Story Books <i>Information Technology</i> Health, Wellbeing and lifestyle <i>Digital Literacy</i>	Coding <i>Computer science</i> Online Bullying <i>Digital Literacy</i>	Spreadsheets <i>Information Technology</i> Technology outside school <i>Digital Literacy</i> Copyright and ownership <i>Digital Literacy</i>
Year 2	Coding <i>Computer science</i> Self-Image and Identity <i>Digital Literacy</i>	Spreadsheets <i>Information Technology</i> Effective Searching <i>Digital Literacy</i> Managing online Information <i>Digital Literacy</i>	Questioning <i>Information Technology</i> Safer Internet day Online Relationships Online Reputation Privacy and Security <i>Digital Literacy</i>	Creating Pictures <i>Information Technology</i> Health, Wellbeing and lifestyle <i>Digital Literacy</i>	Making Music <i>Information Technology</i> Online Bullying <i>Digital Literacy</i>	Presenting Ideas <i>Information Technology</i> Copyright and ownership <i>Digital Literacy</i>
Year 3	Coding <i>Computer science</i> Self-Image and Identity <i>Digital Literacy</i>	Spreadsheets <i>Information Technology</i> Touch Typing <i>Information Technology</i> Managing online Information <i>Digital Literacy</i>	Email (including email safety) <i>Digital Literacy</i> Safer Internet day Online Relationships Online Reputation Privacy and Security <i>Digital Literacy</i>	Branching Databases <i>Information Technology</i> Simulations <i>Information Technology</i> Health, Wellbeing and lifestyle <i>Digital Literacy</i>	Graphing <i>Information Technology</i> Online Bullying <i>Digital Literacy</i>	Presenting <i>Information Technology</i> Copyright and ownership <i>Digital Literacy</i>
Year 4	Coding <i>Computer science</i> Self-Image and Identity <i>Digital Literacy</i>	Spreadsheets <i>Information Technology</i> Managing online Information <i>Digital Literacy</i>	Writing for different audiences <i>Information Technology</i> Safer Internet day Online Relationships Online Reputation Privacy and Security <i>Digital Literacy</i>	Logo <i>Computer science</i> Animation <i>Information Technology</i> Health, Wellbeing and lifestyle	Effective Search <i>Information Technology</i> Hardware Investigators <i>Computer science</i> Online Bullying <i>Digital Literacy</i>	Making Music <i>Information Technology</i> Copyright and ownership <i>Digital Literacy</i>
Year 5	Coding <i>Computer science</i> Self-Image and Identity <i>Digital Literacy</i>	Spreadsheets <i>Information Technology</i> Managing online Information <i>Digital Literacy</i>	Databases <i>Information Technology</i> Safer Internet day Online Relationships Online Reputation Privacy and Security <i>Digital Literacy</i>	Game Creator <i>Computer science</i> Health, Wellbeing and lifestyle <i>Digital Literacy</i>	3D Modelling <i>Information Technology</i> Online Bullying <i>Digital Literacy</i>	Concept Maps <i>Information Technology</i> Copyright and ownership <i>Digital Literacy</i>
Year 6	Coding <i>Computer science</i> Self-Image and Identity <i>Digital Literacy</i>	Spreadsheets <i>Information Technology</i> Managing online Information <i>Digital Literacy</i>	Blogging <i>Information Technology</i> Safer Internet day Online Relationships Online Reputation Privacy and Security <i>Digital Literacy</i>	Text Adventures <i>Computer science</i> Health, Wellbeing and lifestyle <i>Digital Literacy</i>	Networks <i>Computer science</i> Online Bullying <i>Digital Literacy</i>	Quizzing <i>Information Technology</i> Copyright and ownership <i>Digital Literacy</i>

