

Year 9 Curriculum Overview [2026-2027]]

Computing

Autumn Term	Knowledge & Understanding			Literacy Skills Opportunities for developing literacy skills	Employability Skills	Assessment Opportunities
	Composites	Components [KEY concepts & subject specific vocab]	Formal Retrieval [if any]			
Sept – Nov 1 lesson per fortnight	High level language – Introduction to Text based programming	- Computational Thinking - Methods of selection – IF and ELIF - Methods of iteration – WHILE and FOR - Sort and Search methods - Procedures and functions - e-safety – creating robust computer systems through defensive design	Do Now activities	- Reading of instructions - Keyword terminology tasks - Use of Bloom’s Taxonomy - Extended writing opportunities	- Problem solving - System design - Algorithmic thinking	- Formative throughout - Mid-point check - Summative end of topic assessment

Catholicity across the curriculum – Reflection on technology’s role in society – students consider the ways that problems can be solved using automated programmes, and the way that users interact with computers. Vocation and technology as a gift – links to the KS4 curriculum are shared during this unit to help pupils recognise how their talents can lead to a career in computers. Encouraging minimalism in coding and storage

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Spring Term	Knowledge & Understanding			Literacy Skills Opportunities for developing literacy skills	Employability Skills	Assessment Opportunities
	Composites	Components [KEY concepts & subject specific vocab]	Formal Retrieval [if any]			
Nov-Feb 1 lesson per fortnight	Data Handling - Data Science	- Data Sets - Visualisations - Data Analysis - Drawing conclusions - Making decisions - Modelling Data	Do Now activities	- Keyword definitions - Sentence starters - Use of Bloom’s Taxonomy - Extended writing tasks	- Problem solving - System design - Algorithmic thinking	- Formative throughout - Mid-point check - Summative end of topic assessment

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Catholicity across the curriculum – Understanding the boarder impact of technology – studying how data can be used to inform decision and predict outcomes. Data ethics – considering how data that is collected can be used to build a picture and ultimately used to tailor what we access online. Recognising technology as a vocation – to see how technology can impact on a broad range of careers, especially where data analysis is involved.

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Summer Term	Knowledge & Understanding			Literacy Skills Opportunities for developing literacy skills	Employability Skills	Assessment Opportunities
	Composites	Components [KEY concepts & subject specific vocab]	Formal Retrieval [if any]			
May to July 1 lesson per fortnight	Digital Citizenship	- HTML - Template - Graphic Design - Digital Citizenship - AI - Technology Legislation - Digital Footprint - Movie editing	Do Now activities	- Keyword definitions - Sentence starters - Use of Bloom’s Taxonomy - Extended writing tasks	- Problem solving - System design - Algorithmic thinking	- Formative throughout - Mid-point check - Summative end of topic assessment

Catholicity across the curriculum – Digital footprint and privacy – considering the link between our human self and our digital presence. How do we protect our digital persona in the ways that we would protect our humanity. Community-oriented projects – creating a website to teach others about digital citizenship. Programming with purpose – combining all the IT and computing skills developed over the 3-year key stage to produce an integrated system that promotes a range of skill. Reflecting of technology’s role in society – understanding the long-term consequences of having online accounts.