Our Lady Queen of Peace
Catholic Engineering College

Curriculum Overview

Year 9 Computing (2024-25)

	Knowledge & Understanding			Subject Specific Literacy Development	Cultural Capital / Enrichment Opportunities
	Composites (Bigger Picture)	Components (Key Concepts)	Recall & Retrieval Practice Focus	Key Vocabulary	
Unit 1 September to October (8 weeks)	Staying Safe Online (ESafety)	• What is cyberbullying and how does it impact others? • What is phishing and how does it work? • What is sexting and how can I protect myself? • What is Gambling and how can it become addictive? • What is grooming and how can it impact me?		Phishing, Sexting, Grooming, Safety,	
Unit 2 October to December (8 weeks)	Digital Interface	• What is a User Interface • What are design principles • What Is accessibility • How can a User Interface be effective • Target audiences • Gathering feedback • Meeting design requirements	Creating an effective User Interface by the end accessible to all.	Design, User Interface, principles, accessibility, background, font, images, information, target audience, feedback, requirements	
Unit 3 January to March (12 weeks)	Spreadsheet Modelling	• What is the purpose of spreadsheets • Key features (Cells, Rows, Columns) • Use of formulae (SUM, IF, AND, OR, AVERAGE, MIN, MAX) • Conditional Formatting (If then, else)		Formulae, Cell, Row, Column, Conditional	

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Unit 4 April to July (12 weeks)	Algorithms & Programming Use of Python	• What is an algorithm? • Creating an algorithm using flowcharts • Combining integers and strings into algorithms • Using if statements • Using WHILE, FOR loops	Scratch Programmes	Algorithm, Flowchart, Loop	