

Co-op Academy Walkden Curriculum Overview 2025-2026



Co-op Academy
Walkden

KS3 Subject:	Computing & ICT						
KS4 Qualifications	GCSE Computer Science (AQA) Creative iMedia (OCR Cambridge National)						
5 Power Concepts:		Online Safety	Computer Systems	Problem Solving	Risk Taking	Evolving Technologies	
Year Group	Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Title/Theme	Online Safety	Computer Systems	Creating Digital Products	Programming Skills	Computer Systems	Wider impacts of technology
7	Units	Welcome to Computing and ICT Impact of technology Responsible online Behaviour	Hardware & Software Presenting information effectively	Animation	Programming TuringLab - Farmbot	Data Representation Binary	Ethics in Computing
	Title/Theme	Online Safety	Emerging Technologies	Creating Digital Products	Programming Skills	Using Applications	Using Applications
8	Units	Impacts of social media Responsible online behaviour	Artificial Intelligence (AI) - Possibilities & responsible use	Creating and Manipulating Images (Logos) Combining resources	Programming TuringLab - Smart Cities	Ethical, Legal & Social impacts of technology	App Development AppLab
	Title/Theme	Online Safety	Visual Identity & Creating Digital Products	Programming Skills	Networks	Data Science	3D Design & Animation
9	Units	Impacts of wider online content Responsible online behaviour Online relationships	Product design & implementation	Programming in Python - Real world application Chatbot	Components, protocols & topologies Presenting information effectively	Exploring the world of data analytics	Skill building - Using industry software Blender
	Title/Theme	Computer Systems	Algorithmic thinking	Computer Networks	Computers Systems	Databases and SQL	Programming skills
Computer Science 10	Units	- Systems architecture - Hardware and software - Memory and storage	- Algorithms - Basic programming concepts - String handling - Structured programming and subroutines	- Networks, protocols and layers - Cybersecurity	- Boolean logic - Data representation - images and sound	- Relational databases - Structured Query Language	- Advanced programming concepts - Robust and secure programming
	Title/Theme	Wider impacts of technology	Programming skills	Revision	Revision		
Computer Science 11	Units	- Ethical considerations of technology - Environmental considerations of technology Legislation affecting technology	- Effective and efficient programming - Validation and testing	Paper 1 - Computational Thinking and Programming Skills	Paper 2 - Computing Concepts		
	Title/Theme	R093: Creative iMedia in the media industry			R094: Visual identity and digital graphics (NEA)		
Creative iMedia 10	Units	- Media industry sectors and products - Job roles in the media industry	- Factors influencing product design - Pre-production planning	- Legal issues affecting media products - Distribution considerations	- Skill building - Practice assignment	NEA completion (Release date 1st June)	NEA completion
	Title/Theme	R095: Characters and comics (NEA)		Exam Preparation			
Creative iMedia 11	Units	- Skill building - Practice assignment	NEA completion	R093: Creative iMedia in the media industry Revision			