The COUNTY HIGH SCHOOL Leftwich

CS & TechMedia



	KS2 FOUNDATION	YEAR 7 BUILD	YEAR 8 DEVELOP	YEAR 9 APPLY	KS4 SPECIALISE	KS5 ADVANCE
COMPUTATIONAL THINKING & PROGRAMMING	**Computing** • Logical reasoning • Algorithms • Programming • Debugging	**CS** • Computational thinking • Alogrithms • EduBlocks	**CS** • Output / input • Variables • Python	**CS & TechMedia** • Event-driven • Python	**GCSE CS** • Computational thinking • Problem solving with programming	**A Level CS** • Advanced practical programming • Advanced problem solving
DATA & INFORMATION	**Information Technology** • Digital data • Digital images • Working with data	**CS & TechMedia** • Retrieval Practise	**CS & TechMedia** • Binary • Data representation • Spreadsheets	**TechMedia** • Retrieval Practise • Spreadsheets	**GCSE CS & DIT** • Data • Collecting, Presenting and Interpreting Data	**A Level CS** • Advanced Principles of Computer Science
SYSTEMS & NETWORKS	**Computing** • Networks • WWW & Internet • Search technologies	**CS & TechMedia** • Retrieval Practise • Kiosk design	**CS** • Boolean logic • Hardware & Software • Networks	**TechMedia** • Retrieval Practise • App development	**GCSE CS & DIT** • Networks • Modern technologies	**BTEC Level 3** • Diploma in Information Technology
DIGITAL MEDIA & TECHNOLOGY	**Information Technology** • Creating digital content • Digital multimedia • Creative apps	**TechMedia** • Image editing • Vector graphics • Design skills	**TechMedia** • Idea generation & planning • 2D animation • Video game design	**TechMedia** • Retrieval Practise • Creating assets • Vector graphics	**DIT & Media** • UI Design • Developing Digital Media Production Skills	**BTEC Level 3** • Diploma in Creative Media • Diploma in Information Technology
DIGITAL CITIZENSHIP & CYBER SECURITY	**Digital Literacy** • Online safety • Respectful and Responsible online	**CS** • Social media • Fake news • Cyber security	**CS & TechMedia** • Retrieval Practise	**TechMedia** • Retrieval Practise • App development	**GCSE CS & DIT** • Issues and impact • Cyber security	**BTEC Level 3** • Diploma in Information Technology

WHERE THIS CAN TAKE YOU

SOFTWARE ENGINEER
Design and build software and applications.

DATA ANALYST
Collect, analyse and interpret data to solve real world problems.

NETWORK ENGINEER
Build and manage computer networks and systems.

DIGITAL MEDIA PRODUCER
Create videos, animations and digital content for audiences.

CYBER SECURITY ANALYST
Protect systems, networks and data from threats.

AND MANY MORE...
From game developer to UX designer, the digital world needs you!

KEY CONCEPTS

COMPUTATIONAL THINKING
Solving problems using logic and algorithms

DATA
Collecting, organising and analysing information

SYSTEMS
Understanding how computers and networks work

CREATIVITY
Designing and creating digital products and solutions

SAFETY
Using technology responsibly, safely and ethically

OUR VISION

To inspire confident, creative and responsible digital citizens who can shape the future through technology.