

Westfield Academy - Curriculum Information

Pupils will develop their understanding of computer systems, computational thinking, and programming. Pupils will develop theoretical knowledge and practical skills needed for further study or work. The course is assessed through two written exams, covering computational thinking, algorithms, programming, and computer systems.

BTEC DIT KS4 Y11

Head of Department	Claire Collacott	
Head of Department email	clc@Westfield.academy	
Lessons per 2 week cycle	BTEC 5	
Specification/Board details/Key stage	Pearson Edexcel BTEC Tech Award L1/2 in Digital Information Technology QAN 603/7056	

Term by term

Autumn 1	Spring 1	Summer 1
➤ Data processing methods ➤ Producing a dashboard	➤ Threats to data ➤ Prevention and management of threats to data	➤ Responsible use ➤ Legal and ethical ➤ Data protection ➤ Threats to data
Autumn 2	Spring 2	Summer 2
➤ Drawing conclusions based on findings in the data ➤ Modern technologies ➤ Impact of modern technologies	➤ Policy ➤ password policy ➤ Disaster recovery policy	➤ Forms of notation ➤ o data flow diagrams ➤ o flowcharts ➤ o system diagrams ➤ o tables ➤ o written information
Key Skills developed	analytical thinking, critical thinking, quantitative skills, research skills, communication skills and problem-solving skills	
Useful Websites		

	s-cool.co.uk khanacademy.org bbc.co.uk/bitesize teach-ict.com open.edu/openlearn
Reading/Literacy requirements /Key Words	Good level of English and Maths is required. Social media Storage devices Health and safety Security ethics Data
Homework requirements	Quizzes, case studies, independent learning
Personal Development Links	Studying Computing enhances critical thinking, problem-solving, communication, numeracy, research skills, and global awareness.
Trips/Visits (If applicable)	TBC