

# GCSE COMPUTING LONG TERM PLAN

Y10					
Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Topic 1: Problem solving		Topic 2: Programming		Topic 3: Data	
Y11					
Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Topic 4: Computers	Topic 5: Communication and the internet	Revision		Exams	Exams

Expanded view

## GCSE COMPUTING LONG TERM PLAN

Y10					
Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Topic 1: Problem solving		Topic 2: Programming		Topic 3: Data	
1.1 Algorithms	1.2 Decomposition and abstraction	2.1 Develop code 2.4 Input/output 2.6 Subprograms	2.2 Constructs 2.5 Operators	3.1 Binary 3.3 Data storage and compression 3.5 Databases	3.2 Data representation 3.4 Encryption
6.1.1 understand the environmental impact of technology (health, energy use, resources) on society				6.1.2 understand the ethical impact of using technology (privacy, inclusion, professionalism) on society	
Coursework NEA					
Y11					
Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Topic 4: Computers	Topic 5: Communication and the internet	All topic revision		Exams	
4.1 Machines and computational modelling 4.2 Hardware 4.3 Logic 4.4 Software 4.5 Programming languages	5.1 Networks 5.2 Network security	5.3 The internet and the world wide web	A -Extended questions preparation Topic 6 : The bigger picture review	Exams	Exams
6.1.3 understand the legal impact of using technology (intellectual property, patents, licensing, open source and proprietary software, cyber-security) on society					