

National curriculum or specification coverage

Students will learn about the theoretical side of Computer Science alongside developing their practical programming skills using Python.

4.1 Fundamentals of Programming

4.2 Fundamentals Data structures

4.5 Fundamentals of data representation

4.6 Fundamentals of computer systems

Date	Exams/ Assessments	Learning Intentions	Core Task/Assessments
31/08/26		Course introduction, method of assessment, expectations, set up folders etc. Mr Davies: 4.5 Fundamentals of data representation - 4.5.1 Number Systems, 4.5.2 Number bases, 4.5.3 Units of Information 4.5.4 Binary Mr Griffin: 4.1 Fundamentals of Programming, 4.13 Systematic approach to problem solving	4.1 In unit test/activity (MGR)
07/09/26			
14/09/26			
21/09/26			
28/09/26			
05/10/26			
12/10/26			
19/10/26			
26/10/26		HALF TERM	
02/11/26		Mr Davies: 4.5 Fundamentals of data representation - 4.5.5 Info Coding Systems, 4.5.6 Representing Images and Sound 4.6 Fundamentals of computer systems - 4.6.1 Hardware and software, 4.6.2 Classification of programming languages Mr Griffin: 4.1 Fundamentals of Programming, 4.14 Non-Exam Assessment	4.5 End of Unit Test (MDA) PPE1 for MGR and MDA
09/11/26			
16/11/26	Y12		
23/11/26	Y12		
30/11/26			
07/12/26			
14/12/26			
21/12/26		CHRISTMAS HOLIDAY	
28/12/26			

Year 12 Long Term Scheme of Learning 2026-2027

Subject: AQA Computer Science

04/01/27		Mr Davies: 4.6 Fundamentals of computer systems - 4.6.3 Types of program translator, 4.6.4 Logic gates Mr Griffin: 4.1 Fundamentals of Programming, 4.14 Non-Exam Assessment	4.1 End of Unit Test (MGR)
11/01/27			
18/01/27			
25/01/27			
01/02/27			
08/02/27			
15/02/27	HALF TERM		
22/02/27		Mr Davies: 4.6 Fundamentals of computer systems - 4.6.4 Logic gates, 4.6.5 Boolean algebra Mr Griffin: 4.2 Fundamentals Data structures, 4.14 Non-Exam Assessment	4.6 End of Unit Test (MDA)
01/03/27			
08/03/27			
15/03/27			
22/03/27			
29/03/27	SPRING BREAK		
05/04/27			
12/04/27	Y12	Mr Davies: 4.7 Fundamentals of computer organisation and architecture - 4.7.1 Internal hardware components of a computer, 4.7.2 The stored program concept Mr Griffin: 4.2 Fundamentals Data structures, 4.14 Non-Exam Assessment	PPE1 for MGR and MDA
19/04/27			
26/04/27			
03/05/27			
10/05/27			
17/05/27			
24/05/27			
31/05/27	HALF TERM		
07/06/27		Mr Davies: 4.7 Fundamentals of computer organisation and architecture - 4.7.3 Structure and role of the processor and its components 4.7.4 External hardware devices Mr Griffin: 4.2 Fundamentals Data structures, 4.14 Non-Exam Assessment	4.7 End of Unit Test (MDA)
14/06/27			
21/06/27			
28/06/27			
05/07/27			
12/07/27			