

National curriculum or specification coverage

Students will learn about Computer Science Theory as well as developing their practical coding skills in Python.

3.1 Fundamentals of Algorithms**3.2 Programming****3.3 Fundamentals of data representation****3.4 Computer Systems****3.5 Networking**

Date	Exams/ Assessments	Learning Intentions	Core Task/Assessments
31/08/26		Introduction to the course – intro task 3.3 Fundamentals of data representation 3.3.1 Number bases 3.3.2 Converting between number bases 3.3.3 Units of Information 3.3.4 Binary arithmetic 3.3.5 Character encoding 3.3.6 Representing images 3.3.7 Representing sound 3.3.8 Data compression	End of unit test on 3.3 Fundamentals of data representation
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		3.4 Computer Systems 3.4.1 Hardware and software 3.4.2 Boolean logic 3.4.3 Software classification 3.3.4 Classification of programming languages 3.4.5 Systems architecture	Assessment on units 3.3 and some of unit 3.4 during the assessment weeks
09/11/26			
16/11/26	Y10		
23/11/26	Y10		
30/11/26			
07/12/26			
14/12/26			

Year 10 Long Term Scheme of Learning 2026-2027

Subject: Computer Science

21/12/26	CHRISTMAS HOLIDAY		
28/12/26			
04/01/27		3.2 Programming As the programming theory concepts are taught, students will also program in Python 3.2.1 Data types 3.2.3 Arithmetic operations in a programming language 3.2.4 Relational operations in a programming language 3.2.5 Boolean operations in a programming language 3.2.7 Input/output 3.5 Networking (taught at the same time as programming)	End of unit test on 3.4 Computer Systems
11/01/27			
18/01/27			
25/01/27			
01/02/27			
08/02/27			
15/02/27	HALF TERM		
22/02/27		3.2 Programming 3.2.2 Programming concepts 3.5 Networking (taught at the same time as programming)	End of unit test on 3.5 Networking
01/03/27			
08/03/27			
15/03/27			
22/03/27			
29/03/27			
05/04/27	SPRING BREAK		
12/04/27		3.2 Programming 3.2.2 Programming concepts 3.5 Networking (taught at the same time as programming) 3.1 Fundamentals of Algorithms (taught at the same time as programming) 3.1.1 Representing algorithms	Assessment on units 3.1 (part), 3.2 (part), 3.3, 3.4 and 3.5 during the assessment weeks
19/04/27	Y10		
26/04/27	Y10		
03/05/27			
10/05/27			
17/05/27			
24/05/27			
31/05/27	HALF TERM		
07/06/27		3.2 Programming 3.2.2 Programming concepts 3.1 Fundamentals of Algorithms (taught at the same time as programming) 3.1.1 Representing algorithms	Programming mini test
14/06/27			
21/06/27			
28/06/27			
05/07/27			
12/07/27			