

Year 10 - Computer Science

Half-Term 1 04/09/24 - 25/10/24	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	In Year 10, students will learn... → What the different components in a computer systems are and how they function together. → Primary storage inside the computer and secondary storage, why do we need them, which is the best for the job. → How computers communicate, hardware and software needed. → What are the threats and how to protect your computer and data → What software does for you → Creating a solution using Python → Logic gates and truth tables, boolean operators → Data representation how does Binary help us with images and sound.
	Systems - Developing 1.2 Memory and Storage								
	Algorithms - 2.4 Developing Boolean logic			2.1 Developing Algorithms					
Half-Term 2 04/11/24 - 20/12/24	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7		
	Systems - 1.2 Developing Memory and Storage								
	Algorithms -2.2 Developing Programming Fundamentals								
Half-Term 3 08/01/25 - 14/02/25	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6			
	Systems - Developing 1.1 Systems Architecture								
	Algorithms-Developing 2.2 Programming Fundamentals								
Half-Term 4 24/02/25 - 04/04/25	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6			
	Systems-Developing 1.3 Network Topologies								
	Algorithms-Developing 2.2 Programming Fundamentals								
Half-Term 5 22/04/25 - 23/05/25	Week 1	Week 2	Week 3	Week 4	Week 5				
	Systems-Developing 1.4 Network Security								
	2.2 Programming Fundamentals			2.3 Robust Programs					
Half-Term 6 02/06/25 -	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7		

18/07/25	1.5 Systems Software	1.6 Ethical, legal, cultural	Exam Prep		Key Assessment Week End of Year Exam Week
	2.3 Robust Programs	2.5 Programming languages and IDE	Exam prep		