

Always set and deliver  
the highest standards:  
never settle for less.

Care about the now;  
create the very best for  
your future.

We are unique:  
Individuals working  
together to be the best.

Create solutions,  
not excuses.

Resilience is essential;  
self-belief drives  
improvement.

Qualifications open doors; your character gets you through them.

## H446 | A-Level Computer Science | Year 12 |

Half Term 1	Week 0	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
		Programming Recap	1.1 Modern CPU Design		1.2.1, 1.2.2 1.2.3 System Software			1.2.4 Object-Orientated Programming	
Half Term 2	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15	Holiday	
	1.2.4 Challenge	1.3 Compression, Encryption and Databases			1.3 Networks and Communication		1.3.4 HTML5, CSS5 and Javascript		
Half Term 3	Week 16	Week 17	Week 18	Week 19	Week 20	Week 21	Holiday		
	1.4 Data				1.5 Ethics, Legal and Moral Issues	2.1 Computational Thinking			
Half Term 4	Week 22	Week 23	Week 24	Week 25	Week 26	Holiday			
	2.1 Computational Thinking		Recap and Refresher week Comp 1	Trial Examinations					
Half Term 5	Week 27	Week 28	Week 29	Week 30	Week 31	Week 32	Holiday		
	CTG on Trial	2.3 Algorithms			2.2 Programming				
Half Term 6	Week 33	Week 34	Week 35	Week 36	Week 37	Week 38	Week 39		
	2.2 Programming	Introduction to Component 3		Trial Examinations		Work Experience	CTG on Trial		
How does this year deliver your curriculum intent?		<p>Y12 Builds on the theory pupils learnt at KS4 in GCSE Computer Science (OCR J277). To bring students up to the same level, we initially do a recap of procedural programming in Python to make sure students are up to the A-Level programming standard. We cover the whole of the specification excluding Component 3 during Y11. In the first half of the year all of component 1 is covered to give the fundamental understanding of theory for application to the more practical Component 2 in the second half of the year. Regular practice of algorithms will happen within lessons to make sure that students apply and embed the knowledge that is highly assessed over both Papers. Students will sit a trial consisting of AS Level papers, allowing them to reflect on their areas of improvement and close the gaps over HT6. As we move towards the last few weeks of Y12, pupils will be introduced to Component 3 programming project so that they can begin their independent work of choosing a project title over the summer holidays, ready to make a start in Year 13.</p>							