Sir Thomas Wharton Academy

Delivering exceptional learning experiences that enable all young people to thrive in a competitive world and lead successful and fulfilling lives.

J227 | GCSE OCR Computer Science | Year 10 |

Half Term 1	Week 0	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	**Week 7**	Week 8
		CPU Architecture	CPU Performance	Embedded Systems	Primary Memory	Secondary Storage	Data Units	End of Unit Assessment	Data Storage
		Python Programming							
Half Term 2	Week 9	Week 10	Week 11	Week 12	Week 13	**Week 14**	Week 15	Holiday	
	Data Storage	Storing Images	Storing Sound	Compression	Calculating File Size	End of Unit Assessment	Networks		
	Python Porgramming								
Half Term 3	Week 16	**Week 17**	Week 18	Week 19	**Week 20**	Week 21	Holiday		
	Protocols	End of Unit Assessment	System Threats	Vulnerabilities	End of Unit Assessment	Operating Systems			
	Python Programming								
Half Term 4	Week 22	**Week 23**	Week 24	Week 25	**Week 26**	Holiday			
	Utility Software	End of Unit Assessment	Leagal Issues	Ethical and Cultural Issues	End of Unit Assessment				
	Python Programming								
Half Term 5	Week 27	**Week 28**	Week 29	**Week 30**	**Week 31**	**Week 32**	Holiday		
	Component 1 Model Exam	Component 1 SPA Exam	Component 1 CTG Activity	Component 1 CTG	Component 1 SPA Exam	Component 1 CTG			
	Python Programming								
Half Term 6	Week 33	Week 34	Week 35	Week 36	Week 37	Week 38	Week 39		
	Component 1 revision	Component 1 revision	Component 1 revision	Trial Exams		Work Experience	Python Programming		
	Python Programming								

How does this year deliver your curriculum intent?	As Y10 pupils begin to work towards their GCSE Computer Science qualification, they will build on their prior learning from KS3, particularly their programming and computational thinking skills, to develop a comprehensive understanding on the basics of computer science. Pupils will work through the specification content of the course, interleaving component 1 and component 3 to develop a robust understanding of computer science. Throughout, pupils will use their programming skills, developing their knowledge of Python in order to complete the required project for J277 and to develop vital programming skills which will be drawn on in the component 2 written paper in Year 11.