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.

THE HIGHEST STANDARDS	INVEST TO ACHIEVE	EVERYONE IS VALUED	NO EXCUSES	NEVER GIVE UP	CULTIVATE YOUR CHARACTER
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.

Computer Science | Year 10 | 2023-2024

Half Term 1	Week 0	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	**Week 7**	Holiday
		CPU Architecture	CPU Performance	Embedded Systems	Primary Memory	Secondary Storage	Data Units	End of Unit Assessment	
		Python Programming							

Half Term 2	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13 - LC1	**Week 14**	Week 15	Holiday
	Data Storage		Storing Images	Storing Sound	Compression	Calculating File Size	End of Unit Assessment	Networks	
	Python Programming								

Half Term 3	Week 16	**Week 17**	Week 18	Week 19	**Week 20**	Holiday			
	Protocols	End of Unit Assessment	System Threats	Vulnerabilities	End of Unit Assessment				
	Python Programming								

Half Term 4	Week 21	Week 22	**Week 23**	Week 24 - LC2	Week 25	**Week 26**	Holiday		
	Operating Systems	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 - LC3		
	Component 1 revision	Component 1 revision	Component 1 revision	Trial Examinations		Component 1 CTG	Python Programming		
	Python Programming					Python			

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 the course, 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.