Curriculum Plans – Year 11 – Computer Science
Please find below a detailed outline of the curriculum covered in Computer Science curriculum through Year 11 in Key Stage 4.

	Block 1	Block 2	Block 3	Block 4	Block 5	Block 6	Block 7
Topic	**Further Programming:** **Standard methods of solution:** Bubble sort and linear search. File handling. Validation. **Hardware:** Logic Gates.	**Algorithm Design and testing:** Top down design, pseudocode, trace tables, testing and test data. **Hardware:** CPU, architecture storage	**Emerging technologies:** **AI & Robotics, embedded systems** **Mock exam preparation:** past paper and pre-release practice	**Review of the mock exams** **Databases:** Relational databases SQL, Queries. **Hardware:**	**Data transmission:** **Transmission cables and technologies** **Security** **Hardware:** I/O device review	**Software:** **The internet and it's uses, translators, operating systems.** **Revision for the exams**	
Assessments	End of topic assessment / past paper questions	End of topic assessment / past paper questions	End of topic assessment / past paper questions	Mock exams, End of topic assessment / past paper questions	End of topic assessment / past paper questions	End of topic assessment / past paper questions	External IGCSE exams
Academic Theme	Planning for Tomorrow	The World around us	Better Together	The Working World	Opportunities for Everyone	Keep it Green, Keep it Clean	Healthy Body, Healthy Mind