Curriculum Plans – Year 11 – Computer Science – Academic Year 2023/24

Please find below a detailed outline of the curriculum covered in IGCSE Computer Science through Year 11 in key stage 4.

BLOCK	1	2	3	4	5	6	7
Dates	28th August - 27th September **(5 weeks)**	2nd October - 27th October **(4 weeks)**	6th November - 15th December **(6 weeks)**	3rd January - 2nd February **(5 weeks)**	12th February - 22nd March **(6 weeks)**	2nd April - 26th April **(4 weeks)**	6th May - 21st June **(7 weeks)**
Topics	**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.	**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.	**Data transmission:** **Transmission cables and technologies** **Security**	**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