British International School
of Ljubljana
an Orbital Education School

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Curriculum Plans – Year 9 – Computer Science – Academic Year 2023/24
Please find below a detailed outline of the curriculum covered in Computer Science curriculum through Year 9 in Key Stage 3.

	Block 1	Block 2	Block 3	Block 4	Block 5	Block 6	Block 7
Topic	**Python programming with sequences of data:** Sorts and searches	**Lego Robotics:** Kick start a business unit Problem solving Block coding	**Media animations:** Using Blender to create keyframe animations	**Cyber security** Introduction to Cyber crimes and prevention ciphers and hashing algorithms	**Python and physical computing:** Micro:bit and Raspberry Pi programming with Python	**Going Audio visual:** Digital image manipulation and formation	**Going Audio visual:** Digital sound manipulation and formation
Assessments	Python programming project/test	Automation - design and build a factory robot	Blender keyframe animation	Cyber security test	Raspberry pi / micro:bit project	Photoshop project	Audacity / music editing project
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