


Computing Department: KS4 Curriculum Map

	HT1	HT2	HT3	HT4	HT5	HT6
YEAR 10	<ul style="list-style-type: none"> Architecture of the CPU CPU Performance Embedded Systems Primary Storage Secondary Storage 	<ul style="list-style-type: none"> Data Units Data Storage Data Compression Networks & Topologies Wired & Wireless Networks Network Protocols Network Layers 	<ul style="list-style-type: none"> Threats to Computer Systems & Networks Identifying & Preventing Vulnerabilities Operating systems Utility Software 	<ul style="list-style-type: none"> Ethical, Legal, Cultural and Environmental Impact Computational Thinking Designing, Creating & Refining Algorithms 	<ul style="list-style-type: none"> Searching & Sorting Algorithms Programming Fundamentals Data Types 	<ul style="list-style-type: none"> Additional Programming Techniques
	<ul style="list-style-type: none"> Engineering – HT1 – 3 (Y11) Motor Vehicle – HT2 -6 (Y10) 	<ul style="list-style-type: none"> Engineering – HT1 (Y11 Binary Notation) Maths – (Deins Blocks) 		<ul style="list-style-type: none"> RPSE - HT 1 –2 (Y9 Morals and Ethics), Business Studies - HT5 (Y10) Geography - HT 5 (Y7) English – Social Media and effects on society (Y8) and Structure of essay building (KS4) 	<ul style="list-style-type: none"> Maths – H1 (Y7 and (Y11 Iteration (H)), HT2 (Y9 and Y11), Error Handling Skill English - Proof reading skill (KS4) 	<ul style="list-style-type: none"> Maths – HT 1 (Y7 and Y10 and HT2 (Y9 and Y11), Error Handling Skill English - Proof reading skill (KS4)

	HT1	HT2	HT3	HT4
YEAR 11	<ul style="list-style-type: none"> Producing Robust Programs Defensive Design Program Testing Boolean Logic 	<ul style="list-style-type: none"> Languages IDEs Programming Project Revision 	<ul style="list-style-type: none"> Programming Project Revision 	<ul style="list-style-type: none"> Revision
CROSS CURRICULAR LINK	<ul style="list-style-type: none"> Physics - HT3 &4 (Y8 & Y10) 	<ul style="list-style-type: none"> Maths – H1 (Y7 and (Y11 Iteration (H)), HT2 (Y9 and Y11), Error Handling Skill English - Proof reading skill (KS4) 	<ul style="list-style-type: none"> Maths – H1 (Y7 and (Y11 Iteration (H)), HT2 (Y9 and Y11), Error Handling Skill English - Proof reading skill (KS4) 	