

Long term planning grid

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 13	<p>UNIT 8 – Boolean Algebra</p> <p>Duration: 12 hours What will be learnt:</p> <p>construct truth tables for a variety of logic gates</p> <p>draw and interpret logic gate circuit diagrams involving multiple gates</p> <p>write a Boolean expression for a given logic gate circuit</p> <p>draw an equivalent logic gate circuit for a given Boolean expression</p> <p>Draw a Karnaugh map corresponding to a given expression or truth table</p> <p>Draw a truth table for a half adder</p> <p>State what a D type flip flop is and what it is used for</p> <p>Assessment: Overall Unit assessment test</p>	<p>UNIT 9 – Legal, Moral, Ethical and cultural issues</p> <p>Duration: 6 hours What will be learnt:</p> <p>Give examples of organisations that amass and analyse personal information</p> <p>Give examples of some of the moral and ethical choices which arise when digital technology is used.</p> <p>Explain, with examples, how some software applications have resulted in great benefits but also caused great harm</p> <p>Give examples from the range of laws which relate to the use, and misuse, of digital technology to gather, store, process and distribute digital data.</p> <p>Explain that there are cultural influences on the way information is understood.</p> <p>Explain the difference between data processing and artificial intelligence</p>	<p>Re-cap on Units/Topics as chosen by students to meet their needs in preparation for exams</p>			

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