

## Curriculum Map – Computer Science Year 11

	1	2	3	4
Y11	<p><b>Topic Title:</b> Computer Systems recap &amp; databases (and coding)</p> <p><b>Big questions:</b> What can I remember about Computer Systems – hardware &amp; software? What is the difference between system software and application software? What is the ‘Von Neumann architecture’?</p> <p><b>Topic Title:</b> Specific Languages (databases)</p> <p><b>Big questions:</b> What is the purpose of databases? <i>(3.7 Relational Database and Structured Query Language)</i></p> <p>What is a database? What are the different types of databases? How are databases created, deleted, updated? What is SQL?</p> <p><i>(3.2 Programming)</i> Can I remember how to code in efficiently in Python?</p>	<p><b>Topic Title:</b> Impact of Computers on society (and coding)</p> <p><b>Big questions:</b> What are the current ethical, legal and environmental impacts and risks of digital technology on society? <i>(3.8 Ethical, legal and environmental impacts of digital technology on wider society, including issues of privacy)</i></p> <p>What are the ethical impacts of technology in society? What impact does legislation and privacy have? What is the impact of technology on society and on the environment?</p> <p><i>(3.2 Programming)</i> Consolidation of Python work.</p>	<p><b>Topic Title:</b> REVISION</p> <p><b>Big questions:</b> Revision and exam practice <i>(this will have been ongoing throughout the year).</i></p>	

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	<p>How do I use loops, lists and subroutines?</p> <p>How do I use different data structures?</p> <p>How do I design solutions to problems using SQL?</p>			
ASSESSMENT	<p><b>CFU itsLearning quiz – Databases</b></p> <p><b>CFU HW Seneca learning</b></p> <p><b>Recap (hardware &amp; software work</b></p> <p><b>Database work (live marking)</b></p> <p><b>Assessment 3.7 Databases</b></p>	<p><b>CFU itsLearning quiz – Computing ethics</b></p> <p><b>CFU HW Seneca learning</b></p> <p><b>Coding challenges (live marking)</b></p> <p><b>Assessment 3.8 Ethical, legal &amp; environmental impacts</b></p>		