

Curriculum on a page – Computer Science

	<b>Autumn Term</b>	<b>Spring term</b>	<b>Summer term</b>	<b>Assessment of learning</b>	<b>Enrichment opportunities / wider reading</b>
<b>Year 7</b>	Basic digital literacy E-Safety	How Computers work Computational thinking - Algorithms & Programming	Scratch & Python programming	<i>End of topic assessments for each area.</i>	<a href="http://teach-ict.com/2016/ks3/ks3_home.html">http://teach-ict.com/2016/ks3/ks3_home.html</a> <a href="https://www.bbc.com/bitesize/subjects/zvc9q6f">https://www.bbc.com/bitesize/subjects/zvc9q6f</a>
<b>Year 8</b>	E-Safety recap Modelling Data - Spreadsheets	Data Representation Networks	Using media Developing for the web		<a href="http://teach-ict.com/2016/ks3/ks3_home.html">http://teach-ict.com/2016/ks3/ks3_home.html</a> <a href="https://www.bbc.com/bitesize/subjects/zvc9q6f">https://www.bbc.com/bitesize/subjects/zvc9q6f</a>
<b>Year 9</b>	Computer Systems Cyber Security	Memory & Storage Python programming	Python programming Impact of Computer Science	<i>End of topic assessments for each area.</i>  <i>On-line quizzes</i>  <i>Exam style questions</i>	<a href="https://www.bbc.co.uk/bitesize/subjects/zvc9q6f">https://www.bbc.co.uk/bitesize/subjects/zvc9q6f</a>  <a href="https://teach-ict.com/2016/GCSE_Computing/OCR_J277/OCR_J277_home.html">https://teach-ict.com/2016/GCSE_Computing/OCR_J277/OCR_J277_home.html</a>  <a href="https://www.ocr.org.uk/qualifications/gcse/computer-science-j277-from-2020/">https://www.ocr.org.uk/qualifications/gcse/computer-science-j277-from-2020/</a>
<b>Year 10</b>	Computational thinking & Algorithms Data representation	Computational Logic Programming Fundamentals System Architecture	Networks & Network security & protocols		<a href="https://teach-ict.com/2016/GCSE_Computing/OCR_J277/OCR_J277_home.html">https://teach-ict.com/2016/GCSE_Computing/OCR_J277/OCR_J277_home.html</a>  <a href="https://www.ocr.org.uk/qualifications/gcse/computer-science-j277-from-2020/">https://www.ocr.org.uk/qualifications/gcse/computer-science-j277-from-2020/</a>  <a href="https://student.craigndave.org/gcse-ocr-j277-computer-science-videos">https://student.craigndave.org/gcse-ocr-j277-computer-science-videos</a>
<b>Year 11</b>	Algorithms Programming tasks Robust programs Translators	Programming tasks System Software Ethical, Moral, legal issues Revision	Revision		<a href="https://teach-ict.com/2016/GCSE_Computing/OCR_J277/OCR_J277_home.html">https://teach-ict.com/2016/GCSE_Computing/OCR_J277/OCR_J277_home.html</a>  <a href="https://student.craigndave.org/gcse-ocr-j277-computer-science-videos">https://student.craigndave.org/gcse-ocr-j277-computer-science-videos</a>

