



In the event that individual students are not attending school and are able to complete work, these are the **core topics** being covered by each subject each half term and the relevant links to learning materials to use.

Subject: Computer Science

Year: 10/11 (Second year GCSE)

Term	Core topic/s	Learning resources to access	Additional suggested tasks
Autumn 1	Coding revision and Non-Examination Assessment planning, development, reporting, testing and evaluation	<p>Unit 1 L:\Computing\A Key Stage 4\AQA GCSE Computer Science\NEW GCSE AQA\AQA 8520 Unit 1 Algorithms</p> <p>Unit 2a L:\Computing\A Key Stage 4\AQA GCSE Computer Science\NEW GCSE AQA\AQA 8520 Unit 2A Programming</p> <p>Unit 2b L:\Computing\A Key Stage 4\AQA GCSE Computer Science\NEW GCSE AQA\AQA 8520 Unit 2B Programming further</p>	<p>Each unit has up to 6 worksheets and 6 homeworks in the respective folders additional tasks which may be set during a lockdown period and updating through Google Classroom.</p> <p>Additional tasks can be to practise programming in Python, a link to download the school's version can be found here https://www.python.org/downloads/release/python-330/ and is free to download and install.</p>
Autumn 2	Non-Examination Assessment Planning, development, reporting, testing and evaluation	<p>Unit 1 L:\Computing\A Key Stage 4\AQA GCSE Computer Science\NEW GCSE AQA\AQA 8520 Unit 1 Algorithms</p> <p>Unit 2a L:\Computing\A Key Stage 4\AQA GCSE Computer Science\NEW GCSE AQA\AQA 8520 Unit 2A Programming</p> <p>Unit 2b L:\Computing\A Key Stage 4\AQA GCSE Computer Science\NEW GCSE AQA\AQA 8520 Unit 2B Programming further</p>	<p>Alternatively, accessing the school portal will give students the same access to the python software currently being used.</p> <p>Further coding tasks can be found on the school system here L:\Computing\A Key Stage 4\AQA GCSE Computer Science\past NEAs These are previous GCSE coding tasks and may take some time and practise before being completed.</p>



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Spring 1	Theory and Revision Memory, Databases Sound Storage Processors Client-Server Protocols	Unit 3 – revised L:\Computing\A Key Stage 4\AQA GCSE Computer Science\NEW GCSE AQA\AQA 8520 Unit 3 Data representation Unit 4 – revised L:\Computing\A Key Stage 4\AQA GCSE Computer Science\NEW GCSE AQA\AQA 8520 Unit 4 Computer systems Unit 5 L:\Computing\A Key Stage 4\AQA GCSE Computer Science\NEW GCSE AQA\AQA 8520 Unit 5 Fundamentals of Computer Networks Unit 6 L:\Computing\A Key Stage 4\AQA GCSE Computer Science\NEW GCSE AQA\AQA 8520 Unit 6 Fundamentals of Cyber Security	
Spring 2	Cyber Security Social Engineering Malicious code Detection and prevention Impacts of digital technology	Unit 6 L:\Computing\A Key Stage 4\AQA GCSE Computer Science\NEW GCSE AQA\AQA 8520 Unit 6 Fundamentals of Cyber Security Unit 7 L:\Computing\A Key Stage 4\AQA GCSE Computer Science\NEW GCSE AQA\AQA 8520 Unit 7 Ethics	



A specialist maths and computing school

Home Access to Learning 2020-21

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Summer 1	Pre examination assessment and revision	All units (see above)	
Summer 2	Course finished, examination period.	Revision and exams	