

## Computer Science GCSE Subject Information for Year 11 Parents/Carers

Exam specification details
GCSE OCR (9-1) J276 Computer Science
Changes to the specification for class of 2021
<p>Ofqual has confirmed the following for GCSE Computer Science (J276) students in summer 2021:</p> <ul style="list-style-type: none"><li>• The Programming Project remains a requirement of the qualification and it must be completed</li><li>• Students should still be given 20 hours of time to complete the Programming Project</li><li>• Students do not need to be directly supervised by their teacher when completing the Programming Project</li><li>• Students may now complete the Programming Project at home, in school, or a mixture of both</li><li>• Teachers should still record when delivery takes place</li></ul> <p>Teaching content for GCSE Computer Science (J276)</p> <ul style="list-style-type: none"><li>• There is no content change for summer 2021</li><li>• Teachers should still cover the full specification content for the summer 2021 examination</li><li>• The relaxed supervision conditions for the Programming Project allow for a more flexible delivery approach</li><li>• The Programming Project can be used to support learning and revision for Component 02.</li></ul>
Content of mock exams and percentage of the overall GCSE this covers including the topic that need to be revised
<p>Paper 1 – Computer Systems (50% of GCSE)</p> <ul style="list-style-type: none"><li>• Systems Architecture</li><li>• Memory</li><li>• Storage</li><li>• Wired and wireless networks</li><li>• Network topologies, protocols and layers</li><li>• System security</li><li>• System software</li><li>• Ethical, legal, cultural and environmental concerns</li></ul> <p>Paper 2 - Computational thinking, algorithms and programming (50% of GCSE)</p> <ul style="list-style-type: none"><li>• Algorithms</li><li>• Programming techniques</li><li>• Producing robust programs</li><li>• Computational logic</li><li>• Translators and facilities of languages</li><li>• Data representation</li></ul>
Any other info. relevant to your subject you wish to share with parents/carers (e.g. revision websites, etc).
<ul style="list-style-type: none"><li>• The programming project will start the week commencing Monday 5<sup>th</sup> October 2020.</li><li>• Knowledge organisers for Paper 1 have been given to all pupils and should be used as a start base for revision.</li></ul> <p>Revision Websites:</p> <ul style="list-style-type: none"><li>• <b>Seneca:</b> the link to access the class with revision materials it is on Microsoft Teams, click the link: <a href="https://senecalearning.com/en-GB/">https://senecalearning.com/en-GB/</a> class code is: xffde97scn</li><li>• <b>Quizlet:</b> ready-made online flashcards to test your memory, the link to access the class with revision materials it is on Microsoft Teams. <a href="https://quizlet.com/join/H8EbX2k6m">https://quizlet.com/join/H8EbX2k6m</a></li><li>• <b>BBC Bitesize,</b> GCSE Computer Science, OCR specification</li><li>• <b>Craig'n'Dave theory videos:</b> <a href="https://student.craigndave.org/gcse-videos">https://student.craigndave.org/gcse-videos</a> (best for those who need a break from reading and writing and want to listen/watch the theory content)</li></ul>