

## 2 The specification overview

### 2a. OCR's GCSE (9–1) in Computer Science (J276)

Learners take Components: 01, 02, and 03; or 01, 02 and 04 to be awarded the OCR GCSE (9–1) in Computer Science.

Content Overview	Assessment Overview	
<p><b>Computer systems</b></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>Computer systems (01)</p> <p>80 marks</p> <p>1 hour and 30 minutes</p> <p>Written paper (no calculators allowed)</p>	<p><b>40%</b> of total GCSE</p>
<p><b>Computational thinking, algorithms and programming</b></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>	<p>Computational thinking, algorithms and programming (02)</p> <p>80 marks</p> <p>1 hour and 30 minutes</p> <p>Written paper (no calculators allowed)</p>	<p><b>40%</b> of total GCSE</p>
<p><b>Programming project **</b></p> <ul style="list-style-type: none"> <li>• Programming techniques</li> <li>• Analysis</li> <li>• Design</li> <li>• Development</li> <li>• Testing and evaluation and conclusions</li> </ul>	<p>Programming project (03/04)</p> <p>40 marks</p> <p>Totalling 20 hours</p> <p>Non-Exam Assessment (NEA)</p>	<p><b>20%</b> of total GCSE</p>

\* Algorithm questions are not exclusive to Component 02 and can be assessed in all components.

\*\*Indicates inclusion of synoptic assessment.

Learners who are retaking the qualification may carry forward their result for the non-examined assessment component.