

## **OCR GCSE Computing: J276**

### **GCSE Computing: Subject Content**

This course follows the OCR Syllabus (J276).

#### **Computer systems**

- Systems Architecture
- Memory
- Storage
- Wired and wireless networks
- Network topologies, protocols and layers
- System security
- System software
- Ethical, legal, cultural and environmental concerns

#### **Computational thinking, algorithms and programming**

- Algorithms\*
- Programming techniques
- Producing robust programs
- Computational logic
- Translators and facilities of languages
- Data representation

#### **Programming project \*\***

- Programming techniques
- Analysis
- Design
- Development
- Testing and evaluation and conclusions

### **GCSE Computing: How it's assessed**

#### **What's assessed?**

##### **Component 01 - Computer systems**

##### **How it's assessed**

- 80 marks
- 1 hour and 30 minutes
- Written paper
- (no calculators allowed)

- 40% of the total GCSE

### **What's assessed?**

#### **Component 02 - Computational thinking, algorithms and programming**

##### **How it's assessed**

- 80 marks
- 1 hour and 30 minutes
- Written paper
- (no calculators allowed)
- 40% of total GCSE

### **What's assessed?**

#### **Component 03/04 - Programming project \*\***

##### **How it's assessed**

- 40 marks
- Totalling 20 hours
- Non-Exam Assessment (NEA)
- 20% of total GCSE

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

\*\*Indicates inclusion of synoptic assessment.