

## **GCSE Computer Science**

From September 2016 we are following the OCR (9-1) Computer Science specification J276.

### **Year 10**

#### **What will I learn?**

- System architecture and computer components
- Computer memory and storage
- Programming techniques and computational logic
- Data representation
- System software.

#### **How will I be assessed?**

During year 10 your progress will be assessed through a series of module tests and programming tasks.

Formal assessment of the GCSE be completed during year 11 as follows:

- Computer Systems examination. A 1 hour 30 minute written paper of 80 marks. This is focused on assessing your understanding of the theory of computing science
- Computation thinking, algorithms and programming examination. A 1 hour and 30 minute written paper of 80 marks. This is focussed on assessing your ability to demonstrate your understanding of programming techniques and computational logic
- Programming project non examination assessment. A programming project completed over 20 hours of controlled lesson time. The assessment will be based on a project report which will document your analysis, design, testing and implementation of a system to resolve a given scenario.

#### **How will I be taught?**

The teaching style will create a balance between hands-on experience and the need to spend time away from the computer to develop ideas and discuss current developments.