



## DRAYTON MANOR HIGH SCHOOL

### YEAR 10 & 11 COURSES

**Subject** Computer Science

**Course Level** GCSE

**Examining Body** OCR

#### What will I be studying?

- Algorithms
- Programming techniques
- Producing robust programs
- Computational logic
- Networks
- System security
- System software
- Ethical, legal, cultural and environmental concerns

#### What skills will I develop?

- Acquiring and applying knowledge of the use of algorithms in computer programs to solve problems
- Developing computer programs to solve problems
- Evaluating the effectiveness of computer programs/solutions and the impact of, and issues related to, the use of computer technology in society
- An understanding of current and emerging technologies, how they work and applying this knowledge in a range of contexts
- The development of project management skills

#### How will the course be structured?

##### Year 10

- Computational thinking, algorithms and programming
- Programming project

##### Year 11

- Computer systems

#### How will I be assessed?

##### Examination

Computer systems  
1 hour 30 minutes  
50% of final grade

Computational thinking, algorithms and programming  
1 hour 30 minutes  
50% of final grade

##### Non examined assessment

Programming project

**If you have any further questions about taking this course, who should you speak to?**

1. Your Computing Teacher
2. Acting Head of Computing - Mr Gutierrez