

## Year 10/11: GCSE Computer Science (9-1)

Exam Board: Edexcel

### Structure of the course:

The GCSE Computer Science course consists of 3 units:

- **Unit 1:** Principles of Computer Science (Written examination worth 50%).
- **Unit 2:** Application of Computational Thinking (Written examination worth 50%).
- **Unit 3:** Programming Project (Compulsory Non Examined Assessment)

### What we will cover in year 10

During Year 10 students will have experience and learn aspects that will prepare them for all 3 components of the GCSE.

Students will be taught a healthy balance of how computer systems work whilst developing their programming skills using the Python programming language.

Please note that there is an expectation that learners will invest some time between lessons on developing their programming skills and we advise every student to download Python onto their personal device or access it via the home login.

### What will you have to do in Year 11?

In year 11 students will undertake a 20 hour 'Programming project' that is non-assessed but has been made compulsory by all exam boards. Students will develop and consolidate their understanding of the following 6 units:

Problem solving; Programming; Data representation; Computers; Networks; The Bigger Picture.

### Home study Plan

In Year 10, students will be given a variety of work sheets and programming exercises that will further their learning.

In Year 11, home study will be set every other week and will focus on past paper exam questions.

### Useful websites and books to help with revision

[lpa.itslearning.com](http://lpa.itslearning.com) –

Computing GCSE course area contains a wealth of materials such as videos, worksheets and assignment preparation materials all of which are used in class regularly.

[BBC bite size Computer Science](#)

[Craig n Dave Computer Science](#)

**Books:**

**Edexcel Computer Science (9-1) Revision Guides and Workbooks**

These can be purchased via ParentPay for a combined price of £5.00.

### Exam/Important Dates (if applicable)

- The programming project will be available to start in September of Year 11 and will last for up to 20 hours of lesson time.
- The examination units will be sat in May/June of Year 11.

### Computer Science Teaching Team

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