

**Curriculum Overview:**

In Year 10 students will study the following topics:

**Year 1**

- Introduction into backend database systems
  - Controlled assessment A452 – MySQL
- Introduction into programming using Python
  - Controlled assessment A453 – Programming

**Year 2**

- Fundamentals of computer systems
- Representation of data in computer systems
- Computing hardware/software
- Computer communications and networking

**Homework & Assessments Overview:**

- 1 hour of homework set every week
- Students study 3 units over a period of two years
- Year 1 – A452 (Controlled assessment) is worth 30% of total marks
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- Year 2 – A451 is worth 40% of total marks assessed through a hour exam

**Useful Websites:**

- <http://www.teach-ICT.com/>
- <http://www.tutor2u.net/>
- <http://www.w3schools.com/>
- <http://www.mysqltutorial.org/>
- <http://www.tutorialspoint.com/python/>
- [www.ocr.org.uk](http://www.ocr.org.uk) for past papers and mark schemes

**Practical tips / activities for parents to support learning at home:**

- Ask students to complete past paper questions on a regular basis
- Use the mark schemes to mark answers
- Read examiner comments for each past paper