



Paper 1 50%

J277/01: Computer systems

This component will assess:

- 1.1 Systems architecture
- 1.2 Memory and storage
- 1.3 Computer networks, connections and protocols
- 1.4 Network security
- 1.5 Systems software
- 1.6 Ethical, legal, cultural and environmental impacts of digital technology

Paper 1 exam time:
1 hour 30 minutes

Paper 2 50%

J277/02: Computational thinking, algorithms and programming

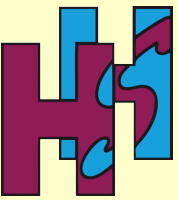
This component will assess:

- 2.1 Algorithms
- 2.2 Programming fundamentals
- 2.3 Producing robust programs
- 2.4 Boolean logic
- 2.5 Programming languages and Integrated Development Environments

Paper 2 exam time:
1 hour 30 minutes

**Both papers
will be sat
at the end
of Year 11**

Year 11 Computer Science – Supporting your Child's Progress



Make achievement everyone's responsibility by...

- Talking about learning regularly
- Create a distraction free 'zone' for your child to practice programming

20 minutes of coding at home per week

- We ask that all Computer Scientist practice programming, at home, for at least 20 minutes each week.
- Not sure where to begin?
Google: "online Python" or "Python Tutorial" and your child will have all they need, from beginner to expert.

Computers are everywhere!

- Encourage your child to look for computers as they go about their day to day lives e.g. computers they come across inside, computers they come across outside.
- Ask how these computers work. Brilliant questions that can be used anywhere are:
 - what are the inputs and what are the outputs?
 - what is the computer doing?
 - is the computer part of a network and if it is, how is it connected?