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# Year 9 Curriculum Information Evening

**Subject: Computer Science**

**Subject Leader: Mr. M Millinchip**

# What you will learn

You will have the opportunity to study and explore issues related to Computer Science and its application in the real world.

The OCR GCSE course in Computer Science is composed of 2 components:

1. Computer Systems

System Architecture, Memory and Storage, Computer networks, Network Security, Systems Software, Ethics, Legal, Cultural and Environmental impacts.

2. Computational Thinking

Algorithms, Programming, Logic

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# How you will be assessed

The assessment is made up of two exams, each worth 50% of the GCSE

- **Paper 1** will cover the broad knowledge of Computer Science topics such as; system architecture, networks, security and ethics.
- **Paper 2** will cover the programming topics such as; algorithms, logic and programming practices.

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# Why study Computer Science

In the modern world, computers are part of everything we do, so understanding them puts you in charge of your world.

This course teaches you essential problem solving skills that enable you to solve complex, challenging problems in all aspects of life.

In the job market, there is an ever increasing demand for those with skills in computing, and not just programmers. Computing skills are useful, often essential in most professions as well as your education.

...and the future is unlimited. As much as 20% of the jobs in Computing didn't exist 5 years ago.

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# Post 16 Opportunities

GCSE Computer Science can lead to A-Level Computer Science or the Level 3 BTEC Information Technology qualification.

Computer Science can lead to many degrees and apprenticeships ranging from the more generalized areas such as Computer Science, Software Engineering or IT, to the highly specialized areas such as Artificial Intelligence and Cyber Security.

Career opportunities available are diverse and ever expanding, including areas such as: Software Development, Cyber Security, Networking, Databases Administration, IT, Manufacturing, Education, and Finance to name a few.

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# Questions

