OCR COMPUTER SCIENCE
Mr Sutton

What does the course involve?

- Component 1: Computer Systems

- Component 2: Computation Thinking, Algorithms and Programming

- Programming Project

COURSE CONTENT

The GCSE is assessed through two external exams

Each exam is worth 50%

Computer Systems – 1 hour 30 mins

Computational Thinking, Algorithms and Programming – 1 hour 30 mins

Students will complete programming tasks to improve their programming skills and complete a 25 hour project

WHAT WILL I LEARN

This GCSE will equip you with a range of transferable skills:

❑ Programming skills in a modern language

❑ An understanding of how computers and networks work

❑ Knowledge of cyber-security and how hackers attack systems and how to protect them

COMPUTER SCIENCE

All these job industries involve Computer Science:

Programming/Development
Cyber Security
Video Editor
Retail and Hospitality
Health Care
Design/Creative
Construction
Financial Services
Computer Engineering
Network Engineering
Database Administration
Software Development

Technology careers in
COMPUTER SCIENCE

WHAT IT'S ALL ABOUT:

This exciting GCSE gives you an excellent opportunity to investigate how computers work and how they're used, and to develop computer programming and problem-solving skills. You'll also do some fascinating in-depth research and practical work. Computing also counts towards the EBacc.

Students will gain practical experience of designing, writing and testing computer programs, develop the ability to reason, explain and evaluate computing solutions and develop awareness of current and emerging computing trends.

Some of the key features of GCSE Computer Science are: Algorithms, binary & data representation, data storage, compression, encryption & databases, components of computer systems, truth tables and logic statements, reading & interpreting assembly code, computer networks, emerging technology trends & the World Wide Web.

WHY YOU SHOULD STUDY IT:

1 High Paid Jobs! Excellent starting salaries and high wage opportunities – you just have to look at the examples mentioned here.

2 There is a huge range of career pathways: Computer technology is part of nearly everything nowadays! Ever thought of a career in biotechnology, nanotechnology or robotics?

3 Computer Science is very creative. Every single day, people all over the world will use things that you help create, and you'll understand exactly how it all works.

4 So much of computer science is practical. You don't have to just learn and understand theories, you often get to make things, change things and actually apply what you've learned everywhere!

5 Your family & friends will admire your knowledge & count on you to fix all of their computing problems. Help Mum with the Google, please, she can't figure it out. Computing is cool!

WEB DEVELOPER

Web Developers create website layout & integrate graphics & applications. They also write web-design programs & computer languages, such as HTML or JavaScript.
Average Pay = £30,000

COMPUTER PROGRAMMER

A Computer Programmer figures out the process of designing, writing, testing, debugging/troubleshooting and maintaining the source code of computer programs.
Average Pay = £45,000

GAMES DEVELOPER

Games Developers design characters and backgrounds for video games, deciding how the game will look and work. You could work for EA Games or Nintendo!
Average Pay = £40,000

COMPUTER SYSTEMS ANALYST

Computer Systems Analysts study a company's current computer systems & design information systems solutions to help the company operate more efficiently & effectively.
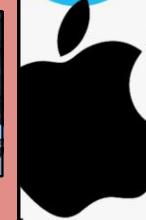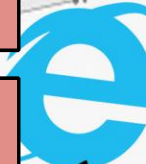**Average Pay = £56,000**

NETWORK SYSTEMS ADMINISTRATOR

Computer Systems Administrators are responsible for the day-to-day operation of company networks. They organise, install, and support a company's computer systems.
Average Pay = £26,000

IT CONSULTANT

An IT Consultant works in partnership with clients, advising them how to use information technology in order to meet their business objectives or overcome problems.
Average Pay = £45,000

GCSE Business
Mr Sutton

What does the course involve?

Component 1: Business 1 – Business Activity, Marketing, and People

- Business Activity
- Marketing
- People

Component 2: Business 2 – Operations, Finance, and Influences on Business

- Operations
- Finance
- Influences on Business

COURSE CONTENT

This qualification is awarded through two exams, each exam is worth (50%) and is 1 hour 30 mins

Business

All these job industries involve Business:
Business Manager
Project Manager
Marketing Manager
Digital Marketing
Manager
Financial Analyst
Investment Analyst
Brand Manager
Social Media Manager
Recruitment Consultant
Entrepreneur (Start-Up Founder)
Business Consultant