Level: GCSE Exam Board: OCR

Overview:

This course gives students a real, in-depth understanding of how

computer technology works.

It offers an insight into what goes on ‘behind the scenes’, including

computer programming, which many students find absorbing.

It is a great way to develop critical thinking, analysis and problemsolving skills, which can be transferred to further learning and to

everyday life.

These skills will be the best preparation for learners who want to go

on to study Computer Science at AS and A Level and beyond. The

qualification will also provide a good grounding for other subject

areas that require computational thinking and analytical skills.

There will be a trial for this subject if you decide to choose it.

Topics Covered:

An understanding of current and emerging technologies and how they work.

The development and use of algorithms in computer programs.

The development of creative and technical skills, knowledge and understanding of computing in a range of

contexts.

The development of computer programs to solve problems.

Creation of a coded solution which is fully annotated to explain its function.

Evaluation of the effectiveness of computer programs/solutions.

The impact of computer technology in society.

Course Requirements:

Must be working at GCSE Grade 5 or above in both English and Mathematics.

Information, Advice or Questions:

If you would like further information and advice, or you have any questions, please speak to Mr Burr.

Studying Computer Science at

College…?

Good choice if you are good at both

English and Mathematics (expected to

get a least a GCSE grade 6) and have a

good level of logic

Assessment Method

Unit Weighting

Computer systems

Written Paper

1 hour 30 minutes

50%

Computational

thinking,

algorithms and

programming

Written paper

1 hour 30 minutes

50%

Possible Careers…

Computer programmer, Software

Developer, Network Engineer, Web

Developer, Database Administrator,

Systems Analyst, Game/VR Developer,

Digital Marketing Manager