The course gives

students a real, in-depth

understanding of how

computer technology

works. Students will no doubt be familiar

with the use of computers and other related

technology from ICT/Computing at Key

Stage 3 and also their other subjects.

However, this course will give them an

insight into what goes on ‘behind the

scenes’, including computer programming,

which many students find absorbing.

Summary of the topics you will cover:

Component 01 – Computer Systems

Component 01 focuses on Computer

Systems, such as software security and

networks. It is an examined unit and makes

up 40% of the assessment total.

Component 02 – Computational

Thinking, Algorithms and Programming

Component 02 is a written exam, focused

on computational thinking and algorithms.

Students are principally assessed on their

ability to write, correct and improve

algorithms.

Component 03 – Programming Project

(non-exam assessment). This

component is the non-exam assessment

where candidates will be challenged by a

range of exciting and engaging tasks to

apply the knowledge and skills they have

Learned.

What will I learn?

A Computer Science qualification is

relevant to the modern and changing world

of computing. It is a practical subject where

learners can apply the knowledge and

skills learned in the classroom to real-world

problems. It is an intensely creative subject

that involves invention and excitement.

Computer Science will value computational

thinking, helping learners to develop the

skills to solve problems and design

systems that do so.

Teaching strategies

Computer Science is an academic

qualification. The lessons will have a strong

focus on problem solving and logical

thinking, with students expected to display

their learning using a variety of methods.

Students will be able to use computers to

aid their studies, but time spent working in

groups will prove to be just as valuable.

Assessment

The two units are assessed through two

written exams. The other unit requires

students to complete an assessed

programming project under timed

conditions in school.

Beyond GCSE

If you choose to study Computer Science

at GCSE level, then it can lead to studying

Computing at A-Level and then at

University if you desire.

A Computer Science qualification is a good

basis for work as an IT consultant,

computer hardware engineer, web

designer, software engineer, analyst,

network administrator, software

applications developer and IT project

manager.

Find out more

Further information about the Computer

Science course is available from Mr Danby

or by visiting the OCR website: http://

www.ocr.org.uk/