Who to ask about this

subject:

Mr XXX or Mr XXXl

Qualification:

GCSE in Computer

Science

Examination Board:

OCR

This GCSE will, above all else, be relevant to the modern and changing world of

computer science. This is a practical subject where learners can apply the knowledge

and skills learned in the classroom to real-world problems. It is an intensively

creative subject that involves invention and excitement. The qualification will value

computational thinking, helping learners to develop the skills to solve problems and

design systems that do so.

What will I study?

You will learn about Computer Systems, including systems architecture,

memory, storage, network topology, systems software, etc. You will then move

onto computation thinking, algorithms and programming by gaining an

understanding and knowledge of high and low level programming languages as

well as data representation and computational logic. Finally, you will undertake a

practical programming project from its initial design stage, to development and

evaluation.

What skills will I need?

An interest in computers and computational thinking as well as problem solving

and programming would be useful. A good standard of mathematics would be

Helpful.

How will this course be assessed?

20% Programming Controlled Assessment and 80% Formal Examination across

two separate exam papers.

Why study Computer Science?

Like it or not, you’re living in it – this is the Digital Age. Computer programmes

have all but infiltrated every aspect of our lives. Computer scientists theorise,

design, develop, and apply the software and hardware for the programmes

we use day in day out. Every industry uses computers so naturally computer

scientists can work in any of them. Problems in science, engineering, health care,

and so many other areas can be solved by computers. It’s up to the computer

scientist to figure out how, and design the software to apply the solution.

What will this course enable me to do after I leave Malet Lambert?

The qualification provides progression from Key Stage 4 studies by building on

the knowledge and skills taught and will provide excellent progression to ‘A’ level

Computer Science, vocational courses and on to degree level courses in the areas

of Computing, Engineering and Science.