Computer Science   Mr M J Long

Details of the Examination Specification
The iGCSE in Computer Science (0478) is delivered through the Cambridge International Examinations board across three lessons per week.

Subject Content
Learners following the Cambridge iGCSE Computer Science syllabus develop their understanding of the main principles of problem solving using computers. They can apply their understanding to develop computer-based solutions to problems using algorithms and a high-level programming language. Learners also develop a range of technical skills, as well as being able to effectively test and evaluate computing solutions. Studying Cambridge iGCSE Computer Science will help learners appreciate current and emerging computing technologies, the benefits of their use and recognise their potential risks.
Cambridge iGCSE Computer Science helps learners develop an interest in computing and gain confidence in computational thinking. It is an ideal foundation for further study at Cambridge International AS and A-Level, and the skills learnt can also be used in other areas of study and in everyday life.

How is the Course Assessed?
There are two written exams, the first addresses the theory of Computer Science (worth 60%), and the second involves Practical Problem-solving and Programming (worth 40% of the total marks).

What is Expected of the Student?
Although this course has a practical programming element, it is an academic course and will require commitment form the student. Students will be expected not only to commit themselves to learning the theory in the course but also to learn to program a computer. Learning to program will require practise beyond the lessons (and set homework).

What Grades can I get?
This course allows students to be able to achieve the full range of iGCSE Grades from A* to F.

Additional Information
This is an exciting course which allows students the opportunity to get really involved in many aspects of Computing. Those students that enter the spirit of the project will find it both stimulating and useful.
The course allows clear progression into A Level Computer Science.

You can download the syllabus from the Cambridge International website:

http://www.cambridgeinternational.org/programmes-and-qualifications/cambridge-igcse-computer-science-0478/