COMPUTER SCIENCE

COURSE DETAILS

Exam Board   OCR
Specification Number J276
Website: www.ocr.org.uk

WHY CHOOSE THIS COURSE?
This is a course for students who are ready to learn more about computers and how they work. Through this course they will gain an in-depth understanding of what goes on behind the scenes of their desktop computer, laptop, tablets and other handheld devices.

As part of this course they will be taught how to think like a computer programmer and get an introduction to programming. They will develop skills in data representation, computer systems and networks, cyber security and ethical, legal and environmental impacts of digital technology

The course consists of three sections:

- **Paper 1: Computational Thinking and Problem Solving**
  Computational thinking, code tracing, problem solving as well as other theory
- **Paper 2: Theoretical Knowledge of Computer Science**
  All aspects of computer systems and the theory of computer programming
- **Programming Project**
  Designing and producing a program for a topic given by the exam board

ASSESSMENT DETAILS
80% examined, 20% Non-Exam Assessment.

HOMEWORK POLICY
Students will generally be expected to complete one piece of homework per week involving tasks which will help improve their understanding of the theory aspects of the course.

PROGRESSION INTO EMPLOYMENT OR FURTHER QUALIFICATIONS
Due to how important digital technologies are in everyday life, Computer Science opens the door to many exciting opportunities. This course provides an excellent starting point for those interested in computer science, software engineering, multimedia programming, computer games design and many more. However, it also teaches skills that are highly desirable in accountancy, law and teaching and will help students develop their independence and knowledge ready for further education in Computer Science or other subject areas.

MR S BEEDIE