Computing

One year AS/Two year A level.

Today, our world is dominated by computers; they are present in almost every aspect of what we do. This course will develop your understanding of how computers work and how they are programmed. This course will also enable you to develop your computer programming skills whilst completing a set project task in the AS building up to developing a solution to a candidate chosen A2 project based upon a real life problem.

Requirements:
The College minimum to start an advanced level course is one grade B and four grade Cs at GCSE. Students wishing to undertake this course require grade C or above in GCSE English Language and Mathematics. The student will also be expected to meet the Average Points Score for this subject.

This subject will focus on:

- hardware and communication;
- organisation and structure of data;
- systems life cycle;
- algorithmns and programming;
- tools and techniques of software engineering;
- applications of computers and communication systems;
- data security and integrity process; and
- social and legal implications of computing systems.

You can expect to:

- develop and understand computing terms and concepts;
- develop the expertise to analyse, design, program, test and document computer programmes using Visual Basic; and
- carry out the development of a computer application for a real client.

Method of assessment:
Assessment is by examination and coursework.
AS - 1 examination (65%) plus project set by exam board (35%).
A2 - 1 examination (65%) plus project chosen by candidate (35%).

Progression:
A variety of options will be open to you after completing this subject. You can apply for a degree course in Computing or ICT. Computing can lead to career options in any area of industry or commerce.

Student Success at Havering Sixth Form College:
Christopher Keeley has successfully completed his first year studying Computer Science at Imperial College, after gaining an A on the Computing course.

Computing had a 100% pass rate at A Level in 2009.