AGCE Computer Studies

WHY COMPUTING?

Computing is about understanding how computer systems work. Computers pervade every aspect of modern life. The microprocessor which lies at the heart of every computing system is found absolutely everywhere, from the PC on your desk to laptops, PDAs, mobile phones, cars and microwave ovens. At the end of the course you will have an excellent understanding of how it all works.

The A level in Computing is varied, interesting and challenging. You need to have a logical mind and be good at Mathematics because computing involves programming which is a logical and sometimes mathematical discipline.

Career possibilities with A Level Computing include:

- Analysis
- Animation
- Computer Games Production
- Computer Programming

- Computer Technology
- Electronics
- Information Systems
- Forensic Computing

- Music Technology
- Networking
- Software Engineering

SPECIFIC ENTRY REQUIREMENTS

- Students must achieve a minimum of 6 GCSEs Grade A*- C including English and Mathematics
- Grade A in Mathematics

COURSE DETAILS

During your studies you will cover the following topics:

The Components of a Computer System, Software, Hardware, Data Representation, Structure and Management in Information Systems, Data Transmission, Implications of Computer Use, Designing Solutions to Problems, The Structure of Procedural Programs, Data Types and Data Structures, Common Facilities of Procedural Languages, Writing Maintainable Programs, High Level and Low Level Programming and Databases.

For more information please visit:
www.madeleyacademy.com

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