



Mayfield School  
being the best that we can be

**FACULTY OF  
BUSINESS &  
COMPUTING**

**Entry Level  
Computing**

**EXAM BOARD**

**OCR**

**SYLLABUS NUMBER**

**R353 (from 2012)**

**WHAT WILL I STUDY?**

Entry Level Computing will provide you with a solid introduction to Computing. It is also an ideal platform for further study in Computing at GCSE and beyond. This course will give you the opportunity to discover how technology works and to take a look at what goes on 'behind the scenes'. This qualification consists of one unit, which is broken down into three strands:



<b>Strand 1: Hardware, Software and Logic (30%)</b>	<b>Strand 2: Programming (50%)</b>	<b>Strand 3: Trends in Computing (20%)</b>
<ul style="list-style-type: none"> <li>✓ Explore the basic function of the common internal components of a computer e.g. motherboard, CPU, RAM, ROM, graphics cards, sound cards, hard disk</li> <li>✓ Learn about functions of an operating system, types of application software in different contexts, types of system software in different contexts, types of utility software in different contexts.</li> </ul>	<ul style="list-style-type: none"> <li>✓ In this strand, you will be expected to plan, write, test and evaluate a simple program.</li> <li>✓ You will have the opportunity to explore different software programmes such as Scratch and Notepad++ and programming languages such as Python and JavaScript.</li> </ul>	<ul style="list-style-type: none"> <li>✓ You will explore the trends in Computing by researching a computing related technology (such as mobile phones, social networks).</li> <li>✓ You will communicate your findings through a presentation/report through any medium you wish such as, presentations, word processed reports, video or audio recordings.</li> </ul>

**ASSESSMENTS (Exam Board)**

- ✓ Strand 1 - Hardware, Software and Logic is assessed through three 15 minute tests and marked internally and is worth 30% of your qualification.
- ✓ Strand 2 - Programming is a programming task which will be completed as a controlled assessment and is worth 50% of your qualification.
- ✓ Strand 3 – Trends in Computing is a presentation task you will have to investigate and present your findings; this is worth 20% of the qualification.

**WHY SHOULD I TAKE THIS SUBJECT?**

The choice is absolutely yours, but here are a few reasons outlining why you should take the subject:

- ✓ Understanding computing and programming is a unique skill that sets you apart from the rest!
- ✓ If you want to build a foundation of computing before moving onto GCSE Computing or beyond.

**USEFUL RESOURCES**

- ✓ [www.ocr.org.uk](http://www.ocr.org.uk)
- ✓ [www.teach-ict.com](http://www.teach-ict.com)

**WHO CAN I TALK TO?**

- ✓ Ms Hashmi (Faculty Leader of Business and Computing)
  - ✓ Mrs Nwokolo (Subject Lead for Computing)
    - ✓ Mrs McBride (Teacher of ICT)
    - ✓ Mrs Eissadi (Teacher of ICT)
  - ✓ Mr De Bique (Teacher of Computing)

You can email the department for more information at [computing@mayfieldschool.net](mailto:computing@mayfieldschool.net)

**POSSIBLE JOB ROUTES**

- ✓ Computer Engineer
- ✓ Software engineer
- ✓ Systems analyst
- ✓ Systems designer
- ✓ Web developer
- ✓ Computer Programmer

