Computing Science

Why take this course?
Computers are a fundamental part of our world. We all use Apps and Websites every day but we need people to design and build them.
Computing Science provides an understanding of the digital world and brings together elements of technology and science. During this course, you will learn some of the skills needed by programmers and web designers and be more informed of the IT industry.

To succeed in this course, you need…

- To be interested in learning more about computers and technology. This course includes theoretical content and practical activities;
- To have developed good coding skills in S2. In computing you will have to decompose problems in small steps and use arithmetic operators;
- To be able to work autonomously during the tasks in order to develop your Computational thinking skills.

Course Content
During this course you will:

- design and code programs using Small Basic and Python;
- setup and use a Raspberry Pi, in order to learn how computers work and communicate;
- create your own website using HTML code and CSS;
- do some research and organise a presentation about a computing technology;
- create a database to store and research information.

Course Assessment
The different aspects of the course are assessed through practical tasks and written assessments.

Essentials
No specific equipment is required; however, having access to a computer at home would be beneficial.

Where might this course take me?
Computing skills are required in hundreds of today's jobs and are highly value in Science and Engineering.

Not only will you acquire knowledge and learn programming skills, Computing will also improve your ability to problem solve – an excellent attribute that all employers look for. This will be useful to you whatever direction you choose later.

This option prepares the way for National 4/5 Computing Science.