

**Curriculum Organisation:**

Computing is made up of two subjects, Computer Science (CS) and Information Communication Technology (ICT).

Computing is an *optional subject*. Students who choose it will study two lessons of Computing each week.

Groups in this subject are mixed ability.

**Subject Content:**

*What is studied over the Academic Year*

Term 1:       **CS:** Students will further develop their understanding of how computers work and how they encode data.

**ICT:** Students will further skills and understanding of how to communicate information using word-processors.

**CS:** Students will learn how to create simple programs in 'Python'.

Term 2:       **ICT:** Students will further develop skills and understanding of how to process data using spreadsheets.

**CS:** Students will explore how to store and process data using databases.

Term 3:       **ICT:** Students will learn how to analyse data using spreadsheets, building on the skills from Year 8.

**CS:** Students will learn how to create webpages using HTML and CSS.

*Subject to change.*

**How are students assessed?**

On a practical level students are assessed on an on-going basis by the teacher based on the skills displayed during computer-based activities. There will also be an end of year exam in this subject.

**What skills are developed?**

In ICT, students will develop their practical computer based skills through the creation of Spreadsheets, Word Processing documents and Presentations.

In Computer Science, students will develop their problem solving and programming skills as well as their understanding of use of Databases and web-page creation.

**What equipment is needed?**

No equipment is necessary but students would benefit from having access to a computer at home. Wherever possible we use free or open source software. Students will always be able to make use of the computer labs at school during lunch hours.

**How can parents help?**

Homework is set most lessons, which parents can monitor through use of the planners and Google Classroom. The Computer labs at school are open most dinner times for the completion of homework and to provide additional support for students.