

**Curriculum Organisation:**

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

Each student will study one lesson of Computing each week.

Groups in this subject are mixed ability.

**Subject Content:**

*What is studied over the Academic Year*

**Computer Science**

How computers represent data using binary

Programming concepts (using Scratch)

**Information Communication Technology**

Manipulating Images (using Photoshop)

Analysing data (using spreadsheets)

*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. Students are also assessed on their understanding through short tests.

There will also be an end of year exam in this subject.

**What skills are developed?**

In ICT, students will develop a number of practical computer based skills using spreadsheets and word-processing and image editing software. The focus is on using these skills in a purposeful manner with consideration to making the work suitable for its purpose and intended audience, and to support their wider use across the curriculum.

In Computer Science, students will develop their problem solving and programming skills as well as understanding how computers store data.

**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.