



Year 8 ICT

Course Outline

Information and Communications Technology (ICT) is now part of the educational experience of children in most parts of the world. Taught as a subject in its own right, as well as being embedded within the curriculum, ICT is increasingly regarded as a new 'literacy', alongside reading, writing and numeracy. Our ICT and Computer Science Curriculum is designed to introduce learners to the key ICT applications they need to use, in order to acquire that literacy and to understand the impact of technology on our daily lives. The syllabus provides a framework in which ICT competence and practical skills can be developed within an environment that is appropriate for the age of the learners. It also provides a structured scheme of assessment.

Course Aims

Learners should learn to become critical and increasingly autonomous users of ICT, aware of the ways in which ICT tools and information sources can help them in their life and work. They should understand the limitations of such tools and of the results they produce, and use the concepts and relevant technical terms associated with ICT systems and software.

Skills developed Learners should learn:

- Use equipment and develop knowledge of ICT
- Communicate using ICT
- Handle information using ICT
- Control and monitor using ICT

Assessment

There are 6 units of work and students will be assessed at the end of each unit.

6 x End of unit practical tests – weighted at 60% of total

6 x Project work – weighted at 40% of total



Course Content

Each unit of work will take 6 weeks

Term 1:

- Digital literacy and citizenship (Google Slides)
- Data Manipulation using spreadsheets (Excel)

Term 2:

- Animation for a Purpose (Movie Maker)
- Control for a Purpose (Flowol)

Term 3:

- Apps programming (BitsBox)
- Introduction to Robotics (Lego Mindstorm)