

ICT & Computing Curriculum Overview



ICT & Computing is taught across the school with students receiving one / two lessons per week. It aims to make confident, creative and productive use of ICT & Computing to encourage essential skills for life. ICT & Computing capability includes learning technical skills and techniques, and the understanding to apply these skills purposefully, safely and responsibly.

Students will:

- Use a range of information with different characteristics, structures and purposes and evaluate how it matches requirements and its fitness for purpose.
- Use of a variety of information sources in a range of context.
- Use and review the effectiveness of different ICT & computing tools, including a range of software applications.
- Learn logical reasoning, algorithmic thinking, design and structured problem solving.
- Develop an understanding of the need to:
 - Employ safe working practices
 - Keep information secure
 - Manage information
 - The impact of ICT & computing on individuals, communities and society
 - Problem solve using programming

Due to the current demand for ICT skills in business and Higher education it is crucial that all students leave school with sufficient skills in ICT to help in their future ambitions.

The exams offered in ICT are Entry Level, Functional Skills and GCSE.

Schemes of work studied

KS3	KS4
E-safety How Computers Work Computer Systems Movie Maker GIMP Animation Microsoft Office Suite Spreadsheet Modelling Databases & DTP Programming – LOGO Kodu Scratch Game Maker Introduction to MIT app Inventor	E-safety Practical Computing Computer Systems Microsoft Office Suite Animation GIMP/ Photo shop Movie maker Programming – MIT app Inventor Scratch Python Kodu LOGO Exam Course Work