

IT Curriculum Overview
Year 10/11

The IT Industry

The Online World

Building and Installing

Computational Thinking

**Mobile/App/Games
Development**

**Multi-Media Products
and Development**

Understand the diversity and complexity of the ICT industry

Know the contribution the ICT industry makes to our social and economic wellbeing

Know about human resources in the ICT industry

Know about careers in the ICT industry

Investigate online services and online communication

Investigate components of the internet and how digital devices exchange and store information

Research and understand issues with operating online with a focus on threats to data

Know how to stay safe, exploit opportunities, and manage risks

Know the components of computer systems

Understand and practically apply appropriate connectivity solutions

Know the reasons for and implications of installing hardware and software components

Understand the impact of potential threats to IT systems and how organisations keep systems and data secure

Understand and apply the fundamental principles of computer science

Critically evaluate and apply information technology

Analyse problems in computational terms with repeated practical experience of writing computer programs in order to solve them

Critically articulate the individual, cultural, and societal impacts of digital technology

Understand the characteristics and uses of mobile apps and games

Design, develop and test mobile apps and games for a variety of platforms

Understand the impact of mobile apps and games on society and individuals

Review and critically evaluate finished products

Understand how to market products

Understand the uses and features of multimedia products

Design, develop and test multimedia products, understanding why individuals or organisations use multimedia products

Know how features of multimedia products are used to improve the user experience

Review and evaluate finished multimedia products

Employer 'Live' Projects



Health, Safety and Welfare in IT

Transferable and Soft Skills

Communication, team work, problem solving, decision making, working under pressure, dealing with emergencies, positive attitude, understanding being managed, responsibility, timekeeping and punctuality, health and wellbeing, loyalty and pride

Professional Accreditation

CISCO Essentials, CISCO CCNA, Blackberry Academic Programme, HP Accredited Technical Associate (ATA), Microsoft Professional