

Teaching and Learning Content: ICT

Year Group: 10

Autumn Term

In this term students will become familiar with the range of job roles available to people with professional IT qualifications and consider the personal attributes these roles require. They will also start to evaluate their own attributes and skills.

Key Questions:

- What characteristics are valued by employers in the IT industry?
- What characteristics are required for specific jobs in the IT industry?
- What jobs are available in the IT industry?

Students will:

- Know the characteristics that are valued by employers in the IT industry.
- Know the common job roles undertaken by people working in the IT industry.

Spring Term

In this term, students will gain knowledge of how to use a variety of different software applications to create and modify computer graphics. Students will create both pictures and diagrams, using a range of tools and techniques and learn how to select, edit and export images into other documents.

Key Questions:

- What hardware/software is required to produce computer graphics?
- What functions do different graphics software have?
- What is the difference between a Vector and a Raster image?

- What hardware can we use to obtain images?
- How can I create original images?
- What tools can I use to edit images?

Students will:

- Know the hardware and software required to work with computer graphics.
- Be able to create computer graphics to meet a user need.
- Be able to use computer graphics to enhance a document.

Summer term

The aim of this term is to enable students to use IT tools to communicate and exchange information safely, securely and effectively with different audiences. Learners will also consider the impacts of IT on people and society.

Key Questions:

- What skills do we use to communicate?
- How can we communicate technical information to a non-technical audience?
- How can we communicate technical information to a more advanced audience?
- Can IT tools be used safely to communicate?
- How can we stay safe online?
- What potential threats does communicating online offer?
- How does communicating online effect people and society?

Students will:

- Be able to communicate information to suit audience, purpose and content
- Be able to use IT tools to communicate and exchange information
- Understand the impact of IT on individuals, communities and society.

Suggested resources to support your child's learning:

www.teach-ict.com - Online tutorials and IT games

www.thinkuknow.co.uk - Esafety information

www.openoffice.org - Free open source programs which are compatible with school system