ICT
Year 7 Programme of Study

What ICT skills will I learn?

The programme will include various projects in order to enhance your knowledge of ICT and build your skills in using computer applications. You will learn about E-Safety, Technology in the Future and Data Handling. You will learn skills in website and podcast creation, creating presentations with Prezi, creating Databases with Access, modelling with Excel, programming with Scratch and vector drawing with Illustrator. You will also create a video at the end of the year and edit it using the computer. You will also gain skills in effective use of search engines, in both the searching and selection of useful information.

How will my work be assessed?

You will be assessed against the National Curriculum Framework according to your own individual level. You will need to produce leaflets, displays, podcasts, websites, presentations, databases, spreadsheets, games and digital products in order to provide evidence that you are meeting the standards. You will also need to plan, draft, test and evaluate your work and show that you have researched topics thoroughly.

What is included in the Key Stage 3 Levels for ICT?

	Planning	Evaluating	Developing	Society	Handling Data	Sequencing	Modelling	Finding Information	Presenting Information	Communication	Safety
3	Plan how they will use ICT to solve a problem	Comment on success of their solution	Refine and develop information using ICT tools and techniques to make changes	Describe how they use ICT at school and how it is used outside school	Collect, store and retrieve data	Use a sequence of instructions to control events	Use ICT-based models or simulations to answer questions	Identify and select appropriate information using straightforward lines of enquiry	Present information using text, images and other media	Use digital communication to exchange ideas	Identify ways they can keep themselves safe when using ICT
4	Plan and implement solutions that combine and refine different forms of information	Evaluate the quality and success of their solutions		Explain how and why the use of ICT varies in and out of school	Organise and process data for a purpose	Devise and refine sequences of instructions	Use models to explore relationships between inputs and outputs and explain how the models work	Use appropriate search criteria to find relevant information, and check its plausibility and usefulness	Present information in different forms suited to purpose		Use ICT to communicate and collaborate, identifying some of the risks and acting to minimise them
5	Plan and develop structured solutions to problems which use a combination of ICT tools and techniques	Use criteria to evaluate the quality of solutions, identifying improvements and refining their work		Identify benefits and limitations of using ICT both inside and outside school	Use logical and appropriate structures to organise and process data	Create precise and accurate sequences of instructions	Change variables within models and explain the impact	Take account of accuracy and potential bias when searching for and selecting information	Present information in a range of forms for specific purposes and familiar audiences		Use ICT safely and responsibly