



## ICT Year 9 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, E-Waste and Computer Control. You will learn skills in Dreamweaver to create websites, Fireworks to create graphics for the web, App Builder to create mobile apps, InDesign to create Desktop Publishing documents, and Python to create programs. Finally, you will learn advanced Spreadsheet skills in order to prepare for the GCSE in the following year.

### 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, websites, presentations, spreadsheets, games and digital graphics 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?

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
6	Plan and develop solutions which show efficiency and integration of ICT tools and techniques	Use criteria and feedback to improve the effectiveness and efficiency of solutions		Explore the impacts of the use of ICT in work, leisure and home	Devise a data handling solution to test hypotheses that uses techniques to reduce input errors	Create efficient sequences of instructions including the use of subroutines	Test predictions by varying rules in models and assess the validity of the conclusions	Use complex lines of enquiry efficiently to interrogate information	Explain choices when presenting information for different purposes and wider or remote audiences	
7	Design and plan an ICT-based system by scoping the information flow through the system	Design and plan an ICT-based system by devising and applying success criteria to ensure a quality solution, refining work as it progresses	Design and plan an ICT-based system by identifying the advantages and limitations of the system	Identify the impact of ICT on people, communities and cultures	Select appropriate tools and techniques to implement an ICT based system in which data flow is automated	Select appropriate tools and techniques to implement an ICT based system in which sequences of instructions are developed, tested and refined	Select appropriate tools and techniques to implement an ICT based system in which assumptions, variables and rules are identified	Develop an appropriate user interface for an ICT based system which enables efficient data input	Develop an appropriate user interface for an ICT based system which displays system outcomes that are fit for purpose and audience	

UPPER SHIRLEY HIGH  
...learning without limits

