

Year 9 ICT/Computing

Students spend the first part of the year by getting a flavour of the difference between ICT and Computing so that they have a better understanding when it comes to GCSE options. Previous learning from Yr 7 and 8 helps to ensure that learning is embedded and secured. Brain In Gear's, peer feedback and discussion tasks in lessons ensure that students have a chance to reflect and recall previous learning. Students continue to use Google Drive and Classroom for most tasks when subject specific software isn't required.

Year 9 Curriculum	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Topic(s)	<p>1 - Using Photoshop Effects of Photoshop on people. Airbrushing techniques. Learn how to use Photoshop and Illustrator. What DTP is and how it is used. Create a digitised image. Using layers, combine two images in one canvas. Some tasks on Google Classroom.</p>	<p>2 - Python Programming History of Computing. Recall and further knowledge of Python from Yr 7. Learn code such as print, strings, maths, drawing, etc. and code in Python. Paired work as coders. Create simple programs.</p> <p>3 - Data Collection & Mail Merge Create a data capture form in Google Forms. Understand how data can be collected and stored.</p>	<p>3 - Data Collection & Mail Merge Create a database to store collected data. Create a table, with fields and records. Look at validation techniques. Create a data input form. Understand how to write a formal letter. Write a formal letter in word processing software and mail merge with a database.</p>	<p>4 - How Computers Work Look at how a computer works. Input and output devices. What is inside a PC? What binary is and how to count in it. Different types of networks. Types of software. Done on Google Classroom.</p> <p>5 - Spreadsheets Spreadsheet keywords. Writing formulas. Using a spreadsheet model.</p>	<p>5 - Spreadsheets Writing advanced formulas such as IF, COUNT and VLOOKUP. Spreadsheet theory. Create a spreadsheet model from scratch. Some tasks done on Google Classroom.</p> <p>6 - E-Safety Enhance and further embed learning on e-safety. Look at sexting and sharing photos on social media. Discussions, tasks and questions linked to real life situations.</p>	<p>7 - Current & Emerging Technologies Mobile technologies. ICT problems. Emerging technologies. How ICT has changed society. Done on Google Classroom.</p> <p>8 - Animation Creating a storyboard. Create a stop frame animation. History of animation. The different kinds of animation. Animation keywords. How to animate using Animate CC</p>

Assessment	Photoshop Theory Test - WCF Photoshop Airbrushing Assessment	Python Assessment Peer Feedback	Database and Mail Merge Assessment Peer Assessment	How Computers Work - Theory Assessment	Spreadsheet Theory - WCF Spreadsheet Assessment E-Safety WCF	Peer Feedback Animation Keywords - WCF Mobile Technologies Assessment Mat
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Independent Work

Students are given work that compliments and extends the learning done in the classroom and sometimes requires some independent research. This is often assessed as a whole class. When students are preparing for an assessment we encourage students to practise and revise independently, whether this is in school at extra sessions or at home.