

## Year 9 - ICT

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
<b>Topic(s)</b>	<b>1 - Photoshop &amp; Desktop Publishing</b> <ul style="list-style-type: none"> <li>• Effects of Photoshop on people.</li> <li>• Airbrushing techniques.</li> <li>• Learn how to use Photoshop and Illustrator.</li> <li>• What DTP is and how it is used.</li> <li>• Create a magazine cover using DTP software.</li> <li>• Some tasks on Google Classroom.</li> </ul>	<b>2 - Python Programming</b> <ul style="list-style-type: none"> <li>• History of Computing.</li> <li>• Recall and further knowledge of Python from Yr 7.</li> <li>• Learn code such as print, strings, maths, drawing, etc. and code in Python.</li> <li>• Paired work as coders.</li> <li>• Create simple programs.</li> </ul> <b>3 - Data Collection &amp; Mail Merge</b> <ul style="list-style-type: none"> <li>• Create a data capture form in Google Forms.</li> <li>• Understand how data can be collected and stored.</li> </ul>	<b>3 - Data Collection &amp; Mail Merge</b> <ul style="list-style-type: none"> <li>• Create a database to store collected data.</li> <li>• Create a table, with fields and records.</li> <li>• Look at validation techniques.</li> <li>• Create a data input form.</li> <li>• Understand how to write a formal letter.</li> <li>• Write a formal letter in word processing software and mail merge with a database.</li> </ul>	<b>4 - How Computers Work</b> <ul style="list-style-type: none"> <li>• Look at how a computer works.</li> <li>• Input and output devices.</li> <li>• What is inside a PC.</li> <li>• What binary is and how to count in it.</li> <li>• Different types of networks.</li> <li>• Types of software.</li> <li>• Done on Google Classroom.</li> </ul> <b>5 - Spreadsheets</b> <ul style="list-style-type: none"> <li>• Spreadsheet keywords.</li> <li>• Writing formulas.</li> <li>• Using a spreadsheet model.</li> </ul>	<b>5 - Spreadsheets</b> <ul style="list-style-type: none"> <li>• Writing advanced formulas such as IF, COUNT and VLOOKUP.</li> <li>• Spreadsheet theory.</li> <li>• Create a spreadsheet model from scratch.</li> <li>• Some tasks done on Google Classroom.</li> </ul> <b>6 - E-Safety</b> <p>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>	<b>7 - Animation</b> <ul style="list-style-type: none"> <li>• Creating a storyboard.</li> <li>• Create a stop frame animation. History of animation. The different kinds of animation. Animation keywords. How to animate using Animate CC.</li> </ul> <b>8 - Current &amp; Emerging Technologies</b> <ul style="list-style-type: none"> <li>• Mobile technologies.</li> <li>• ICT problems.</li> <li>• Emerging technologies.</li> <li>• How ICT has changed society.</li> <li>• Done on Google Classroom.</li> </ul>

<b>Assessment</b>	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 practice and revise independently, whether this is in school at extra sessions or at home.