

Year 7 ICT

Students spend the first part of the year securing their basic skills in ICT and recall what they have learnt from primary school. They gain an understanding of how to use Cloud based software to help with other lessons including how to use Google Drive and Google Classroom. Once this has been embedded they look at how to stay safe online, spreadsheets and how ICT is used in society which helps to start to embed learning for GCSE. Brain In Gear's and discussion tasks in lessons ensure that students have a chance to recall previous learning.

| Year 7 Curriculum | Autumn Term 1 | Autumn Term 2 | Spring Term 1 | Spring Term 2 | Summer Term 1 | Summer Term 2 |
|-------------------|--|---|---|---|---|--|
| Topic(s) | <p>Intro Lessons</p> <ul style="list-style-type: none"> • Logging on, password security and Google Drive/Classroom. • Rules in an ICT classroom. <p>1 - Introduction to ICT - All completed on Google Classroom</p> <ul style="list-style-type: none"> • What ICT is. • Standard ways of working. • File management. • Emails • Hardware & software. • Input and output devices. | <p>2 - Staying Safe Online - All completed on Google Classroom</p> <ul style="list-style-type: none"> • Searching the WWW using Boolean Operators. • Reliability & validity of internet sites. • Copyright Law and using data and images. | <p>2 - Staying Safe Online - All completed on Google Classroom</p> <ul style="list-style-type: none"> • Online safety including privacy, hacking, phishing, etc. • Presentation techniques. • How to create a professional presentation. • Audience and purpose. | <p>3 - Spreadsheets</p> <ul style="list-style-type: none"> • Spreadsheet keywords. • Using spreadsheet software. • Creating and formatting a spreadsheet. • Writing simple and advanced formulas. • Adding graphs/charts. • Modelling using data. • Some tasks/independent work completed on Google Sheets. | <p>4 - ICT in Society</p> <ul style="list-style-type: none"> • Touch Typing. • History of ICT and Computing. • ICT and its uses in society. • Professional report writing skills in word processing software including headers/footers, page numbers, cover page, captions, etc. • Some tasks/independent work completed on Google Classroom. | <p>5 - Introduction to Python</p> <ul style="list-style-type: none"> • Introduction to programming. • Look at the difference between Scratch blocks and Python code. • Python coding using an emulator. • Keywords based on programming. • Creating a basic set of programming instructions. • Programming a bot to do a series of tasks. |
| Assessment | <p>Email Definitions - WCF</p> <p>Assessment Questions</p> | <p>Copyright Law - WCF</p> <p>Peer Feedback</p> | <p>Online Safety Assessment</p> | <p>Spreadsheet Assessment</p> <p>Peer Assessment</p> | <p>Report on ICT in Society Assessment</p> | <p>Programming Keywords - WCF</p> <p>Coding Assessment</p> |

Independent Work

Students are given work that compliments and extends the learning done in the classroom and sometimes requires some independent research. Some of the classroom tasks are completed outside of lessons when required and directed by the teacher. 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.