

Year 8 - ICT/Computing

In Yr 8 students begin to get more of an idea about what Computing is and how different it is to ICT which then leads on into Yr 9 in more depth. Students build upon skills in Yr 7 when looking at spreadsheets and e-safety. Brain In Gear's, discussions and peer feedback are used to ensure that students can retrieve information from previous learning. Google Classroom and Google Drive continue to be used throughout for most work unless subject specific software is required.

Year 8 Curriculum	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Topic(s)	1 - HTML <ul style="list-style-type: none"> ● Introduction to web coding. ● Understand what HTML is. ● Use HTML simulator online to learn basic HTML code. ● Use Notepad++ as a class to create a basic webpage. ● Look at tags, HEX codes, linking pages, etc. ● Use of Google Classroom for some tasks. 	2 - Web Design <ul style="list-style-type: none"> ● Using web design software to create a well designed website. ● Understand the difference to using Notepad++ ● Plan a website on a given theme. Introduction to WIX. ● Create a website in WIX from scratch. ● Design rules and audience and purpose. 	3 - Excel Spreadsheets <ul style="list-style-type: none"> ● Recap spreadsheet skills. ● How a spreadsheet can be used for Scientific data. ● Using a spreadsheet as a model. ● Writing formulas and formatting a spreadsheet. ● Different uses for spreadsheets. ● Use of Google Classroom for some tasks. 	4 - App Inventor (App Lab by code.org) <ul style="list-style-type: none"> ● Identify when a problem needs to be broken down ● Implement and customise GUI elements to meet the needs of the user ● Recognise that events can control the flow of a program ● Use user input in an event-driven programming environment ● Use variables in an event-driven programming environment ● Develop a partially complete 	4 - App Inventor (App Lab by code.org) <ul style="list-style-type: none"> ● Use a block-based programming language to create a sequence ● Use variables, sequence and selection ● Evaluate the success of the programming project 	4 - E-Safety <ul style="list-style-type: none"> ● Enhance and further embed learning on e-safety. ● Look at videos online and understand how to control what is posted - digital footprint ● E-safety keywords. ● Creation of e-safety booklet for Yr 7. ● Use of DTP software.

				application to include additional functionality		
Assessment	Peer Feedback HTML Code Assessment	Web Design Keywords - WCF Web Design Assessment	Peer Feedback Spreadsheet Assessment	AppLab Summative assessment Keywords - WCF	Peer Feedback GameMaker Assessment	Peer Assessment E-Safety Booklet

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. Some work started in the classroom may have to be completed independently.