

Ovingham Middle School Subject Overview Year 8



Subject: ICT

Each column represents an approximate half term starting at 1 = September to October

	1	1.5	2	2.5	3	3.5
Topic	E-Safety	Programming –HTML/CSS	Multimedia – Web Site design using Serif Web+X5	Office Applications – Business and finance models using Excel	Programming - Scratch	Transition Project
Areas of curriculum covered	<p>Pupils are taught about the dangers associated with being online. How to use and be safe on social networks, forums, email, texts etc. The importance of keeping personal information confidential and how opinions, thoughts and comments fall in to this category.</p> <p>Pupils are shown where to go for further advice and guidance and how to report online concerns via CEOP and the 'Report Abuse' button</p>	<p>Pupils learn how to create a basic web page using HTML5 code. They will advance in to being able to write code to position images, text boxes, heading, format fonts, colours, body colours etc. They will learn how to use CSS to format some style features of their web page. Advanced users will be able to create linked pages and will be given discrete complex coding tasks.</p>	<p>Following the HTML/CSS work pupils will create a four page (Minimum) web site using the software Serif WebPlus X5. The pupils will learn about designing for a specific audience, the importance of colour schemes and site uniformity, how to insert multimedia, hyperlinks, navigation importance and using menu bars.</p>	<p>Pupils are taught how to use the basic functions of Excel, such as autocomplete and autofill, formatting cells and inputting data. They then progress to learning how to create formulas within cells and how this makes the spreadsheet a powerful tool. They then use and create spreadsheet business models to calculate profits and loss, consider business decisions and use the spreadsheet to answer 'what if' questions. They will link cells with formulae and perform data sorts and other means of interrogating the data.</p>	<p>Pupils use the computing software 'Scratch' to create an interactive game to play on the computer. A number of guides or 'scaffolds' are available to help the pupils learn while they build their selected game. Pupils can then advance their knowledge by customising the games, making the harder, faster, with more features, different levels etc.</p>	<p>Pupils apply the skills and knowledge they have learnt during ICT lessons while at Ovingham to begin a web design project that continues in year 9 at the high school.</p> <p>The website they produce is aimed at educating middle school pupils about E-Safety.</p>

Please be aware that each class is unique and although the above planning will be followed as close as possible, at times, and with individual classes, we may deliver deeper, extended learning into a topic, move faster to another topic or go slower to make sure we have clarified learning.

If you are in any doubt or have any specific questions about this subject please contact the subject coordinator: Mr Kane