

<b>Course information</b>			
<b>Year: 8 Subject: ICT</b>			
<b>Subject</b>	ICT	<b>Subject leader contact information</b>	Mr S Clawson sclawson@cottesloe.bucks.sch.uk
<b>Examination Board</b>		<b>Specification Code</b>	
<b>Subject Content:-</b> Digital Safety, Computer Architecture, Cyber Security, Encryption, Decomposing problems, Computational thinking using algorithms for solutions, Spreadsheet Modelling, Website Design and Graphics.			
<b>Additional Equipment Needed</b>			
<ul style="list-style-type: none"> <li>• Access to the internet</li> <li>• Access to earphones.</li> </ul>			
<b>Assessment Details:</b>			
The year is split into 6 units with an assessment at the end of each unit. Throughout the year the students will build a website to present their work with a reflective assessed narrative.			
<b><u>To be successful students will need to be able to:</u></b>			
<ul style="list-style-type: none"> <li>• Understand the risks of using technology</li> <li>• Realise that different parts of a computer have different functions but all work together.</li> <li>• Understand the legal implications of not keeping data safe.</li> <li>• Learn how computational thinking and decomposing problems are able to find suitable solutions to problems.</li> <li>• Know how computers encrypt messages and the more complex the encryption the safer the data.</li> <li>• Realise the logical progression on instructions in coding and seeing the outcomes of decisions they have made in their coding.</li> <li>• Design and create a functional website.</li> <li>• Build a graphic in layers and become more confident in using the basic graphics tools.</li> <li>• Use computational thinking to find a solution to a problem, then see how a spreadsheet can obtain the necessary results.</li> </ul>			
<b>What can I do to support my child at home?</b>			
<ul style="list-style-type: none"> <li>• Encourage reading of technology news and new innovations in technology.</li> <li>• Choose an article from the BBC about ICT/Technology and discuss it with your child asking how it will fit in with modern society and how it will improve people's lifestyles</li> <li>• Encourage watch BBC Click on line reports and podcasts</li> <li>• Provide access to the internet to help with homework</li> </ul>			
<b>Recommended resources for the course:</b>			
<b>Websites:</b>			
<a href="https://www.bbc.co.uk/bitesize/subjects/z8mtsbk">https://www.bbc.co.uk/bitesize/subjects/z8mtsbk</a>			
<a href="https://www.bbc.co.uk/programmes/m0006kdt">https://www.bbc.co.uk/programmes/m0006kdt</a>			
<a href="https://www.codecademy.com/">https://www.codecademy.com/</a>			
<a href="https://microbit.org/">https://microbit.org/</a>			
<b>Teaching Staff Contact Details</b>			
<b>Name</b>	<b>Role</b>	<b>Email</b>	<b>Tel</b>
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<b>Additional Information:</b>			
Part of the students' reflection on the work they have completed, might involve obtaining independent feedback from others as it is important for them to receive feedback on their work and to obtain other people's opinions on topics. This needs to be independent so the students might be asked to get this from family and friends.			