

| Course information | | | |
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| Year: 7 Subject: ICT | | | |
| Subject | ICT | Subject leader contact information | Mr S Clawson sclawson@cottesloe.bucks.sch.uk |
| Examination Board | | Specification Code | |
| Subject Content:- Digital Safety, History Of Computers, Computer Components, Computer Systems, Binary Systems, Encryption, Coding Both Text And Visual, Graphics, Spreadsheet Modelling And Website Design. | | | |
| Additional Equipment Needed Access to the internet Access to earphones. | | | |
| Assessment Details: | | | |
| 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. | | | |
| To be successful students will need to be able to: | | | |
| <ul style="list-style-type: none"> • <i>Understand the risks of using technology</i> • <i>See how computers have developed to where they are today.</i> • <i>Identify key innovators in the development of computing.</i> • <i>Be aware that computers are made up of a number of pieces of equipment and to see how they fit together.</i> • <i>Explain how the internet works and how computers access the internet</i> • <i>Know how computer use basic code to encrypt messages and why messages need to be encrypted.</i> • <i>Realise the logical progression on instructions in coding and seeing the outcomes of decisions they have made in their coding.</i> • <i>Design and create a functional website.</i> • <i>Build a graphic in layers and become more confident in using the basic graphics tools.</i> • <i>Use computational thinking to find a solution to a problem, then see how a spreadsheet can obtain the necessary results.</i> | | | |
| What can I do to support my child at home? | | | |
| <ul style="list-style-type: none"> • <i>Encourage reading of technology news and new innovations in technology.</i> • <i>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</i> • <i>Encourage watch BBC Click on line reports and podcasts</i> • <i>Provide access to the internet to help with homework</i> | | | |
| Recommended resources for the course: | | | |
| Websites: https://www.bbc.co.uk/bitesize/subjects/z8mtsbk https://www.bbc.co.uk/programmes/m0006kdt https://www.codecademy.com/ https://microbit.org/ | | | |
| Teaching Staff Contact Details | | | |
| Name | Role | Email | Tel |
| Peter Cropper | Teacher | pcropper@cottesloe.bucks.sch.uk | (01296) 688264 |
| Ffion Davies | Teacher | fdavies@cottesloe.bucks.sch.uk | (01296) 688264 |
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| Additional Information: <i>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.</i> | | | |