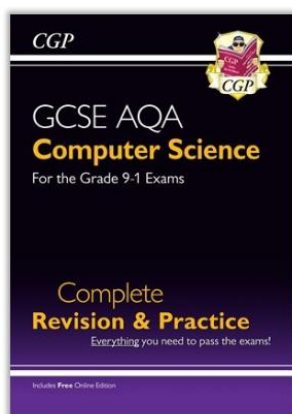


Course information			
Year: 11 Subject: Computer Science			
Subject	Computer Science	Subject leader contact information	Mr S Clawson sclawson@cottesloe.bucks.sch.uk
Examination Board	AQA	Specification Code	8520
Subject Content			
<p><i>Advanced algorithm design - Efficiency, searching and sorting</i></p> <p><i>File and storage approaches</i></p> <p><i>Networking and security - protection from issues</i></p> <p><i>Computing Ethics and laws - Extended answers and the bigger picture</i></p> <p><i>Non Examined programming project - Completion of the programming project</i></p>			
Additional Equipment Needed (Ingredients, headphones, PE kit, etc.)			
<p><i>What else could parents/carers buy?</i></p> <ul style="list-style-type: none"> <i>Python installed on a suitable computer (or a computer with a web browser for Trinket)</i> 			
Assessment Details:			
<p>This is not the specification.... Simply a very brief overview and then the more important... Assessment is via exam. Two 1.30 minute papers on Problem Solving and algorithms (Paper 1) and Computer Systems (Paper 2).</p>			
To be successful students will need to be able to:			
<ul style="list-style-type: none"> <i>Think creatively to find the best solution to a given problem</i> <i>Show resilience when working with code that may not always work first time</i> <i>Be prepared to experiment with a number of ideas before selecting the best</i> <i>Enjoy the challenge of creating computer code</i> <i>Be reflective and evaluative - Be able to critique their own and other's work in constructive way</i> 			
What can I do to support my child at home?			
Specific advice for parents... what can they do to help us?			
<ul style="list-style-type: none"> <i>Keep abreast of technology news - we will often discuss this in the class.</i> <i>Consider signing up for CoderDojo or other computing groups</i> <i>Encourage coding and experimentation with code at home</i> <i>Provide access to the internet to help with homework</i> <i>Consider having access to a BBC Microbit, Raspberry Pi or other low cost programmable computer to help provide access to different coding projects</i> 			
Recommended resources for the course:			
<p><i>What can the parents purchase/find to help their child?</i></p> <p>Websites: <i>Links – check these work!</i></p> <p>Websites: https://www.teach-ict.com/gcse_new.html, http://www.learnitwithdavo.co.uk/, https://www.computingatschool.org.uk/</p>			

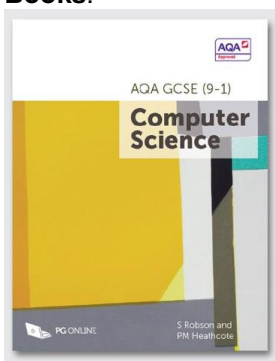


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New

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Books:



Paperback: 160 pages
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Language: English
ISBN-10: 1910523097
ISBN-13: 978-1910523094

Apps: *If you know of any that are useful*

Teaching Staff Contact Details

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