



# Computer Science AS

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|    | <p><b>Films &amp; TV (40 points)</b></p> <p>Watch and carry out a review of one or more of these subject related films.</p> <ul style="list-style-type: none"><li>• The Social Network</li><li>• Jobs</li><li>• The Imitation Game</li><li>• BBC Click (watch four episodes)</li></ul>  |
|    | <p><b>Books &amp; Newspapers (80 points)</b></p> <p>Read and carry out a review of one or more of these subject related books</p> <ul style="list-style-type: none"><li>• Computational Fairy Tales – Jeremy Kubica</li><li>• Best Practices of Spell Design – Jeremy Kubica</li><li>• Python Programming for the Absolute Beginner – Michael Dawson</li></ul> <p>Alternatively, read the Tech pages of The Guardian for two weeks. Write a report summarising the key themes from this period.</p> |
|  | <p><b>Visits (60 points)</b></p> <p>Visit and review one or more of the following venues.</p> <ul style="list-style-type: none"><li>• Science Museum, London</li><li>• Bletchley Park, Buckinghamshire</li><li>• Computer Science Museum, Cambridge</li></ul>   |
|  | <p><b>Websites/Podcasts/Blogs (20 points)</b></p> <p>Carry out review of one or more of the following</p> <ul style="list-style-type: none"><li>• <a href="http://www.khanacademy.com">www.khanacademy.com</a> (watch a relevant video)</li><li>• <a href="http://www.codeacademy.com">www.codeacademy.com</a></li></ul>  |
|  | <p><b>Projects</b></p> <ul style="list-style-type: none"><li>• Research a prominent figure from the field of computer science and create an alternative door plaque for an ICT/Computing classroom (30 points)</li><li>• Create a blog related to the field of computer science that would be relevant for other A Level Computer Science students. You should create at least 12 posts over the course of the summer.</li></ul>  |

Reviews should be a hand written or word processed reports which should include a general overview, 3 objective positive observations and 3 negative observations as well as your personal opinion. Reviews and reports should be between 400 and 500 words.

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