



HOMEWORK

COMPUTING

BRAMHALL HIGH SCHOOL

Aim:

To support the learning and academic progress of students taking Computing at GCSE. The principal aim is to train and improve students in their ability to answer exam style questions efficiently and earn the most marks for their answers. Students must also be competent programmers and demonstrate their ability to examine code, identify errors and correct those errors too. This will also have to demonstrate this in their examinations.

Types of regular homework:

- Prepare for each formal assessment by going through all notes and resources
- Revise the units covered each week to ensure full understanding of key terms
- Keep up to date with new technologies in the press.

Marking and feedback:

- Each of the 15 units is assessed with formal exam questions based around case studies which reflects what will be in the exam papers and marked with a level and feedback will be in line with school CPR policy
- Students programming ability is also assessed.

Recommended wider reading:

1. CGP GCSE OCR Computer Science (for exams in 2022 and beyond) – Excellent resource available on Amazon covering the course in depth
2. BBC Bitesize – GCSE Computer Science – use the OCR link and each unit is covered extensively with both video clips, notes and tests
3. Cambridge Elevate – Resource used in class can be accessed from home too.
4. Technology pages from good newspapers such as the Guardian, Times, Telegraph – articles about Technology
5. BBC online – Technology news
6. Crash Course Computer Science – An essential playlist of around 30 videos created by Carrie Ann Philbin (an excellent British Computer Scientist)
<https://www.youtube.com/watch?v=tplctyqH29Q&list=PLH2l6uzC4UEW0s7-KewFLBC1D0l6XRfye>
7. <https://codecombat.com/>
8. <https://www.codecademy.com/>
9. Adventures in Minecraft – Coding in the Minecraft world:
https://www.amazon.co.uk/Adventures-Minecraft-David-Whale/dp/111894691X/ref=sr_1_1?dchild=1&keywords=coding+in+minecraft&qid=1623838979&sr=8-1