



Computer Science & ICT Summer Work

Computer Science

Your task is to work through the summer work set on your OneNote.

1. Watch the video
 2. Make notes
 3. Complete the programming task at the end of each video
 4. Take screen clipping and paste onto your OneNote page in the relevant space.
- For additional recall/improving performance – SENECA learning and GCSE Pod.

Creative iMedia

Work will be set on OneNote.

Task is to work through the glossary of terms. The terms will help you get familiar with the vocabulary needed for the R093 exam in January as well as the last piece of coursework. Make sure the descriptions are in the correct ICT context.



Interesting Watch

Imitation Game: Mathematicians work to break German Enigma code - Netflix

The Great Hack: Facebook Cambridge Analytica Scandal – Netflix

The Social Network: Life of Facebook founder Mark Zuckerberg - Netflix

Inside Bill Brain: Decoding the man behind Microsoft - Netflix

High Score: Traces the history of computer games – Netflix

Inside MIT's AI Workshop - <https://www.bbc.co.uk/programmes/b0b9fs4q> - BBC

The Computer Programme - <https://www.bbc.co.uk/programmes/p03064m1> - BBC

Formula E Racing - <https://www.bbc.co.uk/programmes/p06840qk> - BBC



Experiences

Places to visit:

Retro Computer Museum – <https://retrocomputermuseum.co.uk/> - Gaming history

Abbey Pumping Station – <https://www.leicestermuseums.org/abbey-pumping-station/> - World of industry and technology

National Space Centre - <https://www.spacecentre.co.uk/> - Science and technology

ROAMDOME - <https://roamdome.co.uk/index.php> - Full body VR experience



Reading

Coding: Everything you need to get started with programming using Python by Mike Suanders

Home Robotics : Maker-inspired projects for building your own robots by Daniel Knox

How To Turn Down a Billion Dollars by Billy Gallagher and Catrin Morris



Podcast

<https://whatsgoodgames.com/>

<https://podcasts.ox.ac.uk/series/computer-science>

<https://www.bbc.co.uk/programmes/b01n7094/episodes/downloads>

<https://www.cbc.ca/listen/live-radio/1-55-spark>