



Tudor Grange Academy Redditch

AS Level computer science work to complete over summer

This work will form a good foundation for your understanding of unit 1.1.1

Name:

Listen to and make notes on the following.

Then answer the questions at the end.

ALU – CU – Registers and buses

https://www.youtube.com/watch?v=V04dtxEUjsI&list=PLCiOXwirraUB7V2i0SJ4SSJFqRV_LtgzW&index=1

Fetch-Decode-Execute

https://www.youtube.com/watch?v=7hB2SEZ3zqg&index=2&list=PLCiOXwirraUB7V2i0SJ4SSJFqRV_LtgzW

CPU performance

https://www.youtube.com/watch?v=tl1X_55y20&list=PLCiOXwirraUB7V2i0SJ4SSJFqRV_LtgzW&index=3

Computer Architectures

https://www.youtube.com/watch?v=RCQXP-q1r6s&list=PLCiOXwirraUB7V2i0SJ4SSJFqRV_LtgzW&index=5

1. Describe the purpose of the address bus
2. Give two differences between RISC and CISC processors
3. Describe the Von Neumann architecture