

Year 9 Recall Checklist – Sept'22



Year 8 Topics

1) E-Safety

- Hackers – grey, black, white
- Purpose of Copyright law and the Computer Misuse Act

2) Computer Networks

- World wide web, LAN definition, cables, hub/switch, bus and star network topology, advantage and disadvantage of computer networks

3) Data Representation

- Binary as base 2, decimal as base 10, convert binary to decimal and vice versa, overflow error
- ASCII – 7 bits, Analogue to Digital Conversion (ADC), Sample rate definition

4) Computational Thinking & Programming (from Year 7 too)

- Define an algorithm and decomposition. Identification of a flow chart.
- Using print, variables, strings, input, performing arithmetic calculations

Year 7 Topics

5) E-Safety

- Cyberbullying, online grooming

6) Computer Systems

- Desktop, tablet, embedded computer
- Purpose of cpu, motherboard, hard disk drive, random access memory