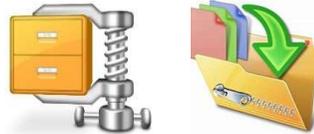




GCSE Computer Science Fifth Half Term Learning Journey



01: Data storage
- Compression



Start of the half term



02: Programming techniques revision

Revision - all topics

Revision - all topics

Practical programming throughout the half term

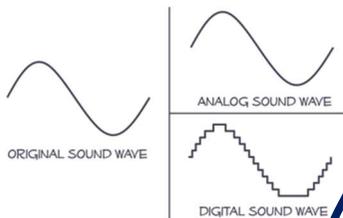


02: Defensive design –
Input validation /
Maintainability

Keywords: Testing, defensive, validation, contingencies, authentication, maintainability, comments, indentation, binary, pixels, resolution, compression, sound, analogue, digital, amplitude, frequency

Revision - all topics

Revision - all topics



01: Data storage
- Sound

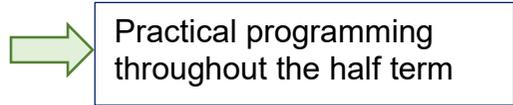


02: Defensive design –
Anticipating misuse /
authentication

Mock Exams

Revision - all topics

Feedback and target setting



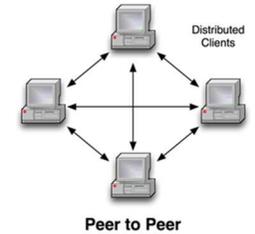
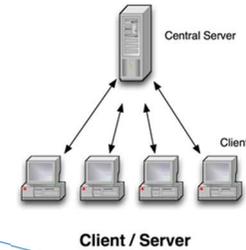


GCSE Computer Science

Sixth Half Term Learning Journey

Year 10

01: Networks and topologies – LANS, WANS, and network hardware



01: Client-server and peer-to-peer networks

Start of the half term

02: Testing – purpose and types of testing



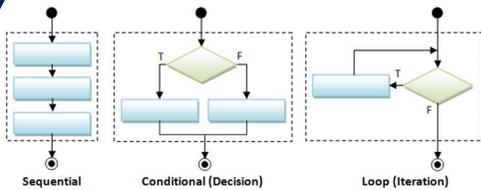
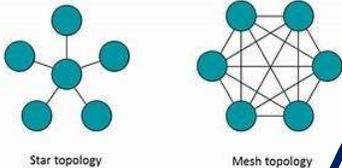
02: Syntax and logic errors, suitable test data

Practical programming throughout the half term



01: Star and mesh topologies

02: Programming fundamentals – selection, sequence, and iteration



Keywords: Testing, iterative, syntax error, logic error, SQL, selection, iteration, comparative operators, networks, topology, hardware, switch, router, NIC, domain, server, bandwidth

02: Programming fundamentals – selection, sequence, and iteration



02: The use of SQL to search for data

01: Factors that affect network performance

01: The cloud, web servers and clients

Assessment and feedback



01: DNS and Hosting