Year 13 Computer Science
Component 1

Paper 2 Testing

Paper 2 Revision

Paper 1 Testing

Paper 1 Revision

Paper 2 Testing

Paper 2 Revision

Final exam prep based on personalised performance analysis.

I simplify Boolean expressions using Karnaugh maps.

I can simplify Boolean expressions using rules such as De Morgan's Law.

I understand the logic associated with flip flops and adders.

TOPIC 5: FINAL PREP

Paper 1 Testing

Paper 1 Revision

TOPIC 4: REVISION

I can interpret and create logic gate diagrams and truth tables.

I will have identified my areas of strength and weakness in Papers 1 and 2.

I can define problems using Boolean logic.

TOPIC 3: BOOLEAN ALGEBRA

I have an understanding of programming in HTML, CSS and JavaScript.

I can describe a range of network structures and explain the different hardware needed.

I can name and describe a range of network and internet protocols.

TOPIC 2: NETWORKS + INTERNET

I can explain transaction processing in terms of ACID.

Note: The topics of programming, data types and Booleans will be taught throughout this timeline.

TOPIC 1: COMPRESSION + DATABASES

I understand the value of normalisation and can normalise databases to 3rd normal form.

I can explain different forms of compression, and the advantages and disadvantages of each.

I can explain different forms of encryption and hashing.

I can create flat file and relational databases.

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