

Subject: Computer Science

Year: 11

Paper 2 – Topic 4 – Boolean Logic

Paper 2 – Topic 3 – Producing Robust Programs

- Paper 2 - Topic 4
- Simple logic diagrams using the operators AND, OR and NOT
- Truth tables “ Combining Boolean operators using AND, OR and NOT
- Applying logical operators in truth tables to solve problems
- Paper 2 – Topic 4
- Defensive design considerations:
- Anticipating misuse
- Authentication

Paper 2 – Topic 5 – Programming Languages and Environments

- Characteristics of high-level and low-level languages
- The purpose of translators
- The characteristics of a compiler and interpreter
- Common tools and facilities used within an IDE.

Paper 2 – Topic 2 – Programming Techniques (Additional 2.2)

Paper 2 - Revision (mock)

Paper 2 - Topic 2

Paper 1 Focus and revision

Paper 1 - Revision (mock)

- Exam style questions
- Walkthrough – SAM

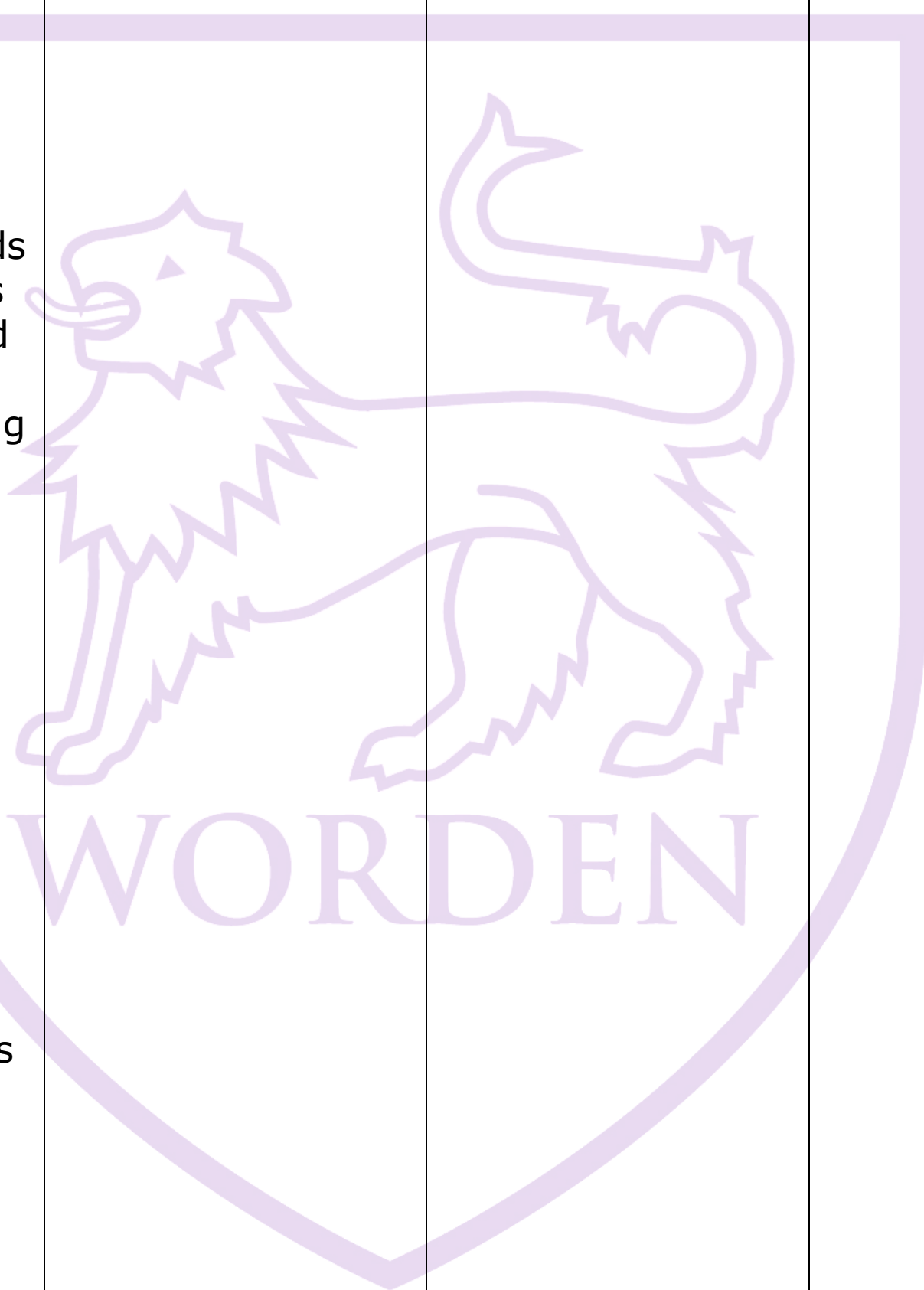
Revision and Programming Challenges

- Reviewing past papers
- Key questions
- Exam technique
- Revision documents
- Identify and improve areas for development

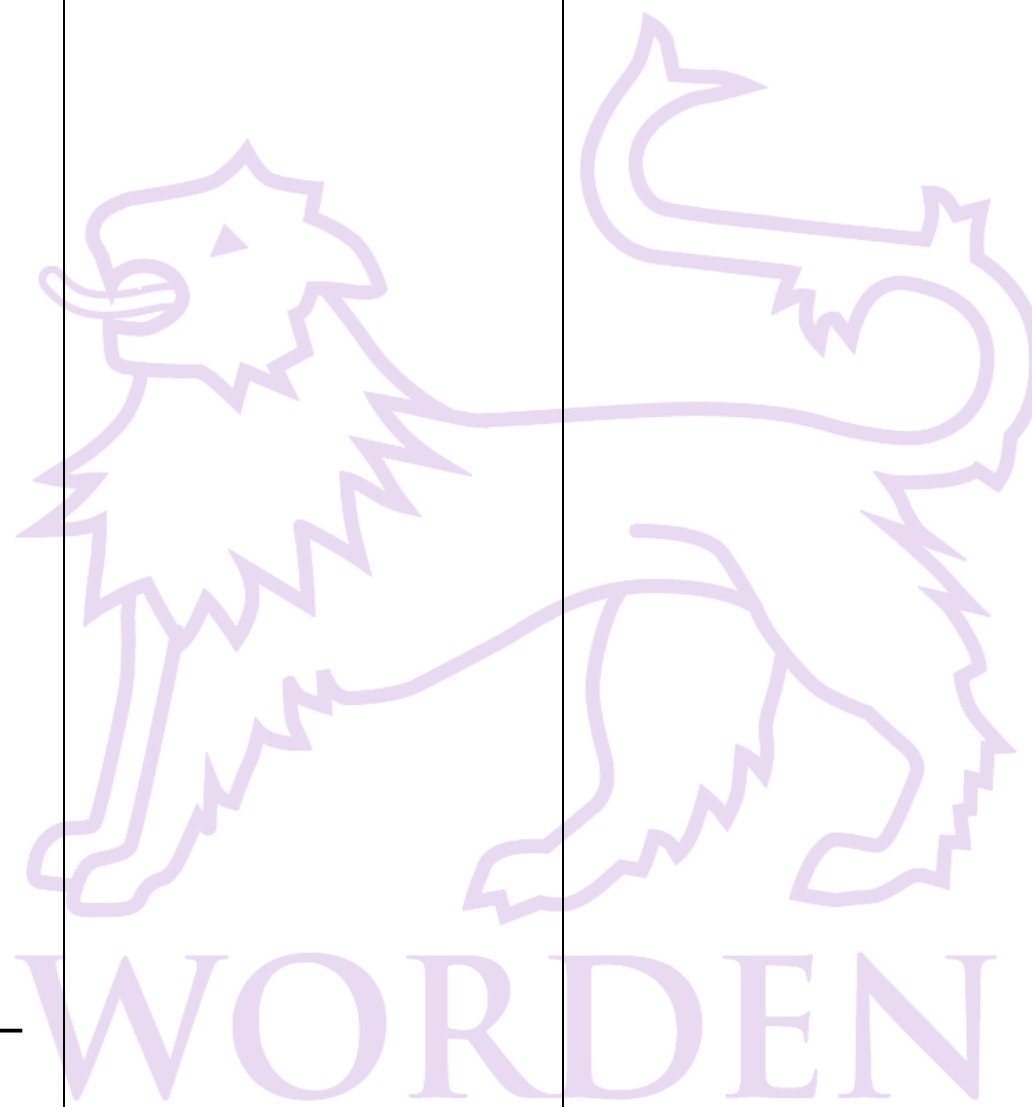
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Laudus Admirandus

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| <ul style="list-style-type: none"> • • Input validation • • Maintainability: • Use of sub programs • Naming conventions • Indentation • Commenting • • Testing • The purpose of testing • Types of testing: • Iterative • Final/terminal • Identify syntax and logic errors • Selecting and using suitable test data: • Normal • Boundary • Invalid/Erroneous | <ul style="list-style-type: none"> • Continue with programming techniques (advanced) • SQL • Arrays/Records • Sub programs (functions and procedures) • String handling and manipulation • Advanced Iteration concepts • File handling • Generating random numbers (libraries) • Programming challenges • Pseudocode and flowcharts • Algorithms • Refining algorithms • Reflecting on and using previously taught |  | | | |
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- techniques fluently
- Variables, constants, operators, input/output and assignments.
 - Sequencing, selection and iteration
 - Boolean operators
 - Data types
 - Paper 2 - Revision (mock)
 - Exam style questions
 - Walkthrough – SAM



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