Walderslade Girls' School

Grade Descriptors for GCSE Maths

To achieve a Grade 9 candidates will be able to:

- Select accurately and efficient the most appropriate mathematical procedures to obtain a solution
- Communicate a mathematical process coherently and accurately
- Manipulate number and algebra efficiently applying it at the highest level
- Present mathematical proofs algebraically

To achi**eve grade 8, candidates will be able to:**

- perform procedures accurately
- interpret and communicate complex information accurately
- make deductions and inferences and draw conclusions
- construct substantial chains of reasoning, including convincing arguments and formal proofs
- generate efficient strategies to solve complex mathematical and non- mathematical problems by translating them into a series of mathematical processes
- make and use connections, which may not be immediately obvious, between different parts of mathematics
- interpret results in the context of the given problem
- critically evaluate methods, arguments, results and the assumptions made

To achieve a Grade 7 candidates will be able to:

- perform most procedures accurately
- interpret and communicate more complex information accurately
- make deductions and inferences and draw conclusions
- construct chains of reasoning, including convincing arguments and formal proofs
- generate efficient strategies to solve complex mathematical and non- mathematical problems by translating them into a series of mathematical processes
- make and use connections, which may not be immediately obvious, between different parts of mathematics.
- interpret results in the context of the given problem
- begin to critically evaluate methods, arguments, results and the assumptions made

To achieve a Grade 6 candidates will be able to:

- Perform more complex routine single- and multi-step procedures effectively by recalling, applying and interpreting notation, terminology, facts, definitions and formulae
- interpret and communicate information effectively
- make deductions, inferences and draw conclusions
- construct chains of reasoning, including arguments
- generate efficient strategies to solve mathematical and non-mathematical problems by translating them into mathematical processes, and begin to develop mathematical fluency.
- interpret results in the context of the given problem
- Start to critically evaluate methods and results

To achieve a Grade 5 candidates will be able to:

- perform routine single- and multi-step procedures effectively by recalling, applying and interpreting notation, terminology, facts, definitions and formulae
- interpret and communicate information effectively
- make deductions, inferences and draw conclusions
- construct chains of reasoning, including arguments
- generate strategies to solve mathematical and non-mathematical problems by translating them into mathematical processes, realising connections between different parts of mathematics
- interpret results in the context of the given problem
- evaluate methods and results

To achieve a Grade 4 candidates will be able to:

- perform routine single-step procedures effectively by recalling, and interpreting notation, terminology, facts, definitions and formulae
- interpret and communicate information
- make simple deductions, inferences and draw conclusions
- construct some chains of reasoning, including arguments
- begin to interpret results in the context of the given problem

To achieve a Grade 3 candidates will be able to:

- recall and use notation, terminology, facts and definitions; perform routine procedures, including multi-step procedures
- interpret and communicate basic information; make deductions and use reasoning to obtain results
- solve problems by translating mathematical and non-mathematical problems into mathematical processes
- provide some evaluation of methods or results
- interpret results in the context of the given problem

To achieve a Grade 2 candidates will be able to:

- recall and use notation, terminology, facts and definitions; perform routine procedures, including some multi-step procedures
- interpret and communicate basic information; make deductions and use reasoning to obtain results
- solve problems by translating simple mathematical and non-mathematical problems into mathematical processes
- provide basic evaluation of methods or results
- interpret results in the context of the given problem

To achieve a Grade 1 candidates will be able to:

- • Use basic mathematical notation.
- • Recall names of common shape.
- • Provide some basic evaluation of methods or results
- • Interpret some results in the context of a given problem.
- • Perform simple mathematical calculations.