



## GCSE Level - Learner Profile Comments – Mathematics and Numeracy

Projected Grade	EOY GCSE Level Comments
A*	<p>An <b>A*</b> learner in mathematics and numeracy is able to:</p> <ul style="list-style-type: none"><li>• recall and use an extensive range of mathematical facts, techniques, terminology, diagrams, symbols and complex concepts consistently, appropriately and accurately,</li><li>• recall and use a varied combination of standard mathematical methods with accuracy,</li><li>• follow direct instructions to solve complex problems involving routine procedures.</li><li>• select and apply mathematical methods systematically and accurately to solve a range of non-standard, unfamiliar or unstructured, multi-step problems,</li><li>• make complex decisions when tackling a wide range of given tasks, for example, selecting a strategy to tackle a multi-stage trigonometric problem.</li><li>• devise strategies to solve non-routine or unfamiliar problems set in a range of contexts, breaking them into smaller, more manageable tasks, where necessary,</li><li>• communicate mathematically, using a wide range of mathematical language, notation and symbols to explain reasoning and to express mathematical ideas unambiguously,</li><li>• interpret findings or solutions in the context of the original problem,</li><li>• use inferences and well-reasoned deductions made from mathematical information to draw valid conclusions and reflects on results.</li></ul>
A	<p>An <b>A</b> grade learner in mathematics and numeracy is able to:</p> <ul style="list-style-type: none"><li>• recall and use a wide range of mathematical facts, techniques, terminology, diagrams, symbols and complex concepts consistently, appropriately and accurately,</li><li>• recall and use a combination of standard mathematical methods with accuracy,</li><li>• select and apply mathematical methods systematically and accurately to solve a range of non-standard, unfamiliar or unstructured, multi-step problems,</li><li>• make complex decisions when tackling a wide range of given tasks, for example, selecting a strategy to tackle a multi-stage trigonometric problem.</li><li>• devise strategies to solve non-routine or unfamiliar problems set in a range of contexts, breaking them into smaller, more manageable tasks, where necessary,</li><li>• communicate mathematically, using a wide range of mathematical language, notation and symbols to explain reasoning and to express mathematical ideas unambiguously,</li><li>• construct convincing arguments and proofs using logical deduction.</li></ul>
B	<p>A <b>B</b> grade learner in mathematics and numeracy is able to:</p> <ul style="list-style-type: none"><li>• recall and use a range of mathematical facts, techniques, terminology, diagrams, symbols and complex concepts consistently, appropriately and accurately,</li><li>• recall and use a combination of standard mathematical methods with accuracy,</li><li>• follow direct instructions to solve problems involving routine procedures.</li><li>• select and apply mathematical methods systematically and accurately to solve a range of non-standard, unfamiliar or unstructured, multi-step problems,</li><li>• communicate mathematically, using a range of mathematical language, notation and symbols to explain reasoning and to express mathematical ideas unambiguously.</li><li>• construct arguments using logical deduction,</li><li>• interpret some findings or solutions in the context of the original problem,</li></ul>



	<ul style="list-style-type: none"><li>• use inferences and deductions made from mathematical information to draw conclusions,</li><li>• reflect on results and comment on the appropriateness of the methods employed.</li></ul>
C	<p>A <b>C</b> grade learner in mathematics and numeracy is able to:</p> <ul style="list-style-type: none"><li>• recall and use a range of mathematical facts, techniques, terminology, diagrams, symbols and concepts consistently, appropriately and accurately,</li><li>• recall and use standard mathematical methods with a good level of accuracy,</li><li>• follow direct instructions to solve problems involving routine procedures.</li><li>• select and use the mathematics and resources needed to solve problems,</li><li>• select and apply mathematical methods to solve non-standard or unstructured, multi-step problems,</li><li>• make decisions when tackling given tasks, for example, selecting a suitable method to find the area of a compound shape.</li><li>• devise strategies to solve some non-routine or unfamiliar problems, breaking them into smaller, more manageable tasks, where necessary,</li><li>• communicate mathematically, using a range of mathematical language, notation and symbols to explain reasoning and to express mathematical ideas clearly,</li><li>• construct arguments using logical deduction,</li><li>• interpret some findings or solutions in the context of the original problem,</li><li>• use inferences and deductions made from mathematical information to draw conclusions,</li><li>• reflect on results and comment on the appropriateness of the methods employed.</li></ul>
D	<p>A <b>D</b> grade learner in mathematics and numeracy is able to:</p> <ul style="list-style-type: none"><li>• recall and use some mathematical facts, techniques, terminology, diagrams, symbols and concepts consistently, appropriately and accurately,</li><li>• recall and use standard mathematical methods with some accuracy,</li><li>• follow direct instructions to solve problems involving routine procedures.</li><li>• select and use the mathematics and resources needed to solve problems,</li><li>• devise strategies to solve some non-routine or unfamiliar problems</li><li>• communicate mathematically, using some mathematical language, notation and symbols to explain reasoning and to express mathematical ideas clearly,</li><li>• reflect on results and comment on the appropriateness of the methods employed.</li></ul>
E	<p>An <b>E</b> grade learner in mathematics and numeracy is able to:</p> <ul style="list-style-type: none"><li>• recall and use basic mathematical facts, techniques, terminology, diagrams, symbols and concepts,</li><li>• recall and use simple standard mathematical methods,</li><li>• follow direct instructions to solve simple problems involving routine procedures.</li><li>• select and use the mathematics and resources needed to solve simple problems,</li><li>• select and apply basic mathematical methods to solve simple non-standard or unstructured, multi-step problems,</li><li>• make simple decisions when tackling given standard tasks, for example, choosing how to display given information.</li><li>• communicate mathematically, using mathematical language, notation and symbols to explain reasoning and to express mathematical ideas with some clarity,</li></ul>



	<ul style="list-style-type: none"><li>• interpret simple findings or solutions in the context of the original problem,</li><li>• use simple deductions made from mathematical information to draw basic conclusions,</li><li>• reflect on results and check their accuracy and reasonableness.</li></ul>
F	<p>An <b>F</b> grade learner in mathematics and numeracy is able to:</p> <ul style="list-style-type: none"><li>• recall and use basic mathematical facts, techniques, terminology, diagrams, symbols and concepts,</li><li>• follow direct instructions to solve simple problems involving routine procedures.</li><li>• select and apply basic mathematical methods to solve simple non-standard problems,</li><li>• make simple decisions when tackling given standard tasks, for example, choosing how to construct simple arguments using logical deduction,</li><li>• interpret simple findings or solutions in the context of the original problem.</li></ul>
G	<p>An <b>G</b> grade learner in mathematics and numeracy is able to:</p> <ul style="list-style-type: none"><li>• recall and use some basic mathematical facts, techniques, terminology, diagrams, symbols and concepts,</li><li>• recall and use some simple standard mathematical methods,</li><li>• follow direct instructions to solve some simple problems involving routine procedures.</li></ul> <p>Candidates:</p> <ul style="list-style-type: none"><li>• select and use the mathematics and resources needed to solve some simple problems,</li><li>• make some simple decisions when tackling given standard tasks, for example, choosing how to display given information.</li><li>• communicate mathematically, using some basic mathematical language, notation and symbols to explain reasoning and to express some simple mathematical ideas.</li></ul>