

Learning Programme – Mathematics – 3rd Year – Set 3

Topic/ Content	Objectives/Skills (topic grade in brackets)	Homework	Assessment	Success Criteria (GCSE grades)	Stretch & Challenge (Thirst for Learning)
	Michaelmas Second Half Term				
Mental and written calculations	Add, subtract, multiply and divide both integers and decimals. Add, subtract, multiply & divide negative numbers (3). Use a known calculation to work out related calculations, including inverse operations.	Two to three teacher marked pieces of homework will be set each half- term.	Half Term Test (two weeks before Christmas holiday)	Mainly determined from Half-Term test, however, class work & homework may also be used. GCSE Grade boundaries dependent on difficulty of test.	Students will be challenged using extension questions on the topics they are studying, designed to develop their ability to solve multi-staged problems.
Solving linear equations	Solving equations with unknowns on one side, unknowns on both sides (3) and brackets (4). Forming, then solving linear equations (4).				
Changing the subject	Re-arranging equations where the new subject appears once (5).				
Distributions	Calculate averages and range of discrete data (3). Calculate averages from frequency table (4) and grouped frequency table (5). Construct frequency polygon for continuous data. Being able to interpret and construct pie charts.				
Quadrilaterals and Symmetry	Identifying and using the properties of quadrilaterals (3). Reflective symmetry and order of rotational symmetry.				