

Learning Programme – Mathematics – 1st Year

Topic/ Content	Objectives/Skills	Homework	Assessment	Success Criteria (for E/S/D at KS3)	Stretch & Challenge (Thirst for Learning)
	Trinity Term				
	<ul style="list-style-type: none"> • Finding the area and circumference of circles • Calculate interior and exterior angles of a polygon • Convert between fractions, decimals and percentages • Calculate percentages of amounts • Ratio & Proportion Unitary method (part 2) • Generating term-to –term sequences, including nth term • Recognise other sequences including Pascal’s triangle, Fibonacci sequence and non-linear patterns such as square, triangular and cubic numbers • Recognise arithmetic and geometric sequences • Understand that the probabilities of all possible outcomes sum to 1 • Generate theoretical sample spaces including (two-way tables Understand single and combined events with equally likely, mutually exclusive outcomes • Calculate theoretical probabilities • Understand experimental probabilities and use it to compare results • Set notation (basic) and Venn diagrams • Use frequency trees to solve problems 	<p>Students will be set regular homework that is either teacher marked, peer marked, self-marked or computer marked.</p>	<p>End of Year Exam (close to May Half-Term), on all topics covered up to that point.</p> <p>Two to three teacher marked pieces of homework will be set each half-term.</p>	<p>Mainly determined from End of Year Exam, however, Half-Term tests, class work & homework may also be used.</p> <p>Grade boundaries for E, S & D dependent on overall scores across the year group.</p>	<p>Students will be challenged using extension questions on the topics they are studying, designed to develop their ability to solve multi-staged problems.</p>