

Trigonometry/Math Analysis		
Benchmark/ Target Month	Pass Standard/Content	Section
August	<p>Chapter 1 - Trigonometry</p> <ol style="list-style-type: none"> 1. Radian and Degree Measure 2. The Unit Circle 3. Right Triangle Trig 4. Trig functions of any angle. 5. Graphs of trig functions 6. Applications and models 	
Sept Oct	<p>Chapter 2 – Analytic Trigonometry</p> <ol style="list-style-type: none"> 1. Using Fundamental Identities 2. Verifying Trig Identities 3. Solving Trig Equations 4. Sum and Difference Formulas 5. Multiple angle and product to sum formulas 	
Oct Nov	<p>Chapter 3 – Additional Topics</p> <ol style="list-style-type: none"> 1. Law of Sines 2. Law of Cosines 3. Vectors in the plane 4. Vectors and dot products 	
Dec	<p>Chapter 4 – Complex numbers</p> <ol style="list-style-type: none"> 1. Complex numbers 2. Complex solutions of equations 3. Trig form of a complex numbers 4. DeMoivre's Theorem 	
January	<p>Chapter 13 – Sequences and Series</p> <ol style="list-style-type: none"> 1. Arithmetic and Geometric Sequences 2. Recursive Definitions 3. Arithmetic and Geometric Series and their Sums 4. Sums of Infinite Series 5. Sigma Notation 	
February	<p>Chapter 14 – Matrices</p> <ol style="list-style-type: none"> 1. Matrix addition, subtraction, and scalar multiplication 2. Matrix multiplication 3. Applying Matrices to Linear Systems 4. Applications of Matrices 	
March	<p>Chapter 15 – Combinatorics</p> <ol style="list-style-type: none"> 1. Venn Diagrams 2. Multiplication, addition, and complement principles 3. Permutations and Combinations 4. Permutations with repetition, circular permutations 5. Binomial theorem and pascal's triangles 	
April	<p>Chapter 16 – Probability</p> <ol style="list-style-type: none"> 1. Introduction to probability and the probability of events occurring together 2. Binomial Probability Theorem 3. Probability problems solved with combinations 4. Expected Value 	
May	<p>Chapter 17 – Statistics</p> <ol style="list-style-type: none"> 1. Tables, graphs, and averages 2. Box and whisker plots 3. Variability 4. The normal distribution 	

