## $\frac{(n+1)^{n}}{(n+k)!} = K = 1 - \sum_{n=1}^{\infty} \frac{1}{(2n-1)^5}$ Mathematics $\frac{(n+1)!_{T}}{(n+1) - (k+1)!}$ Year 10H Curriculum Map

Unit One	Unit Two	Unit Three
Topic: Advanced Number Work Key Learning: Estimating, working with index laws, primes and surds Assessment: Topic-test and mid-year exam	Topic: Manipulating Algebraic Expressions and Equations Key Learning: Solving complex linear equations, changing the subject of formulae and factorising and solving quadratics Assessment: Topic-test and mid-year exam	Topic: Sequences Key Learning: Generalising for linear sequences, including those involving surds and generalising quadratic sequences. Assessment: Topic-test and mid-year exam
Unit Four	Unit Five	Unit Six
Topic: Delving into Data 1 Key Learning: Working with different types of graphs, including scatter graphs and pie charts and using them to solve problems. Constructing and interpreting two-way tables and frequency polygons. Assessment: Topic-test and mid-year exam	Topic: Ratios, Fractions and Percentages Key Learning: Using skills of fractions, ratio and percentages to solve problems including compound interest and reverse percentages, combined ratio problems and basic algebraic fraction work. Assessment: Topic-test and mid-year exam	Topic: Trigonometry Key Learning: Using trigonometric ratios to find missing sides and angles in right-angled triangles and non-right-angled triangles. Assessment: Topic-test and mid-year exam

## $\frac{(n+1)^{\prime}}{(n+k)!} = K = 1 - \sum_{n=1}^{\infty} \frac{1}{(2n-1)^{5}}$ Mathematics $\frac{(n+1)!_{T}}{(n+1)!_{T} (k+11))!}$ Year 10H Curriculum Map

Unit Seven	Unit Eight	Unit Nine
Topic: Gradients and Lines Key Learning: Finding and interpreting gradients and intercept from partial information and finding equations of parallel and perpendicular lines. Assessment: Topic-test and end-of-year exam	Topic: Non-Linear Graphs Key Learning: Plotting, understanding and interpreting key points of non- linear graphs including circles and their tangents Assessment: Topic-test and end-of-year exam	Topic: Listing and Describing Key Learning: Constructing and completing venn diagrams using set notation and using the product rule. Assessment: Topic-test and end-of-year exam
Unit Ten	Unit Eleven	Unit Twelve
Topic: Multiplicative Reasoning Key Learning: Forming and solving direct and indirect proportion problems Assessment: Topic-test and end-of-year exam	Topic: 2D and 3D Shapes Key Learning: Using the area and perimeter of 2D shapes and finding the surface area and volumes of 3D shapes Assessment: Topic-test and end-of-year exam	Topic: Congruence, Similarity and Enlargement Key Learning: Using similarity to enlarge shapes and using the rules of congruence for proofs. Assessment: Topic-test and end-of-year exam

## $\frac{(n+1)^{\prime}}{(n+k)!} = K = 1 - \sum_{n=1}^{\infty} \frac{1}{(2n-1)^5}$ Mathematics $\frac{(n+1)!_T}{(n+1)!_T} = \frac{2731}{(k+11)!!}$ Year 10H Curriculum Map

Unit Thirteen	Unit Fourteen	Unit Fifteen
Topic: Delving into Data 2	Topic: Working with Circles and Angles	Topic: Transforming and Constructing
<b>Key Learning:</b> Constructing and interpreting histograms, cumulative frequency diagrams and box-plots	<b>Key Learning:</b> Calculating parts of circles, e.g. arc and sectors, and working with and proving circle theorems.	<b>Key Learning:</b> Performing and describing transformations and using constructions to solve loci problems.
<b>Assessment:</b> Topic-test and end-of-year exam	Assessment: Topic-test and end-of-year exam	Assessment: Topic-test and end-of-year exam