



Achievement Cycle Overview

Curriculum: Mathematics

**Excellence.
No Excuses.**

Year	AC1	AC2	AC3	AC4
7	<p>Topic Overview: Number 1 (2) Algebra 1 (2) Statistics (2) 2d 3d shape (2)</p> <p>NC links: Following KS3 NC</p>	<p>Topic Overview: Number 2 (2) Algebra 2 (2) Length, area, volume, similarity (2) Angles (2)</p> <p>NC links: Following KS3 NC</p>	<p>Topic Overview: FDP (3) Algebra 3 (3) Probability (2)</p> <p>NC links: Following KS3 NC</p>	<p>Topic Overview: Transformations (2) Sequences (2) Ratio and proportion (2) Units and compound measures (2)</p> <p>NC links: Following KS3 NC</p>
8	<p>Topic Overview: Number 1 (2) Algebra 1 (2) Statistics (2) 2d 3d shape (2)</p> <p>NC links: Following KS3 NC</p>	<p>Topic Overview: Number 2 (2) Algebra 2 (2) Length, area, volume, similarity (2) Angles (2)</p> <p>NC links: Following KS3 NC</p>	<p>Topic Overview: FDP (3) Algebra 3 (3) Probability (2)</p> <p>NC links: Following KS3 NC</p>	<p>Topic Overview: Transformations (2) Sequences (2) Ratio and proportion (2) Units and compound measures (2)</p> <p>NC links: Following KS3 NC</p>
9	<p>Topic Overview: Number 1 (2) Algebra 1 (2) Statistics (2) 2d 3d shape (2)</p> <p>NC links: Following KS3 NC</p>	<p>Topic Overview: Number 2 (2) Algebra 2 (2) Length, area, volume, similarity (2) Angles (2)</p> <p>NC links: Following KS3 NC</p>	<p>Topic Overview: FDP (2) Algebra 3 (2) Probability (2) Pythagoras and Trig (2)</p> <p>NC links: Following KS3 NC</p>	<p>Topic Overview: Transformations (2) Sequences (2) Ratio and proportion (2) Units and compound measures (2)</p> <p>NC links: Following KS3 NC</p>
10	<p>Topic Overview: Number 1 (2) Algebra 1 (2) Statistics (2) 2d 3d shape (2)</p> <p>NC links: KS3 + Limits of accuracy, Terms for expression, equation, identity, formula, Box plots, quartiles, Stats to describe population, bearings, plans and elevations</p>	<p>Topic Overview: Number 2 (2) Algebra 2 (2) Length, area, volume, similarity (2) Angles (2)</p> <p>NC links: KS3 + , Listing strategies, estimate roots + powers, Indices, Standard form, product rule for counting, derive an equation, solve quadratic equation, quadratic characteristics, cubic, circle language, circle theorems</p>	<p>Topic Overview: FDP (2) Algebra 3 (2) Probability (2) Pythagoras and Trig (2)</p> <p>NC links: KS3+, Recurring decimals, growth and decay, compound interest, 3D Pythagoras + trig, sine and cosine rule, area of any triangle, equation of a circle, exact trig values</p>	<p>Topic Overview: Transformations (2) Sequences (2) Ratio and proportion (2) Units and compound measures (2)</p> <p>NC links: KS3+, Vectors, Invariance, special sequences, quadratic sequences, fractions in ratio problems, inverse proportion 1/y, compound in algebra, including pressure and more involved question</p>
11	<p>Topic Overview: Number 1 (2) Algebra 1 (2) Algebra 2 (2) Statistics (2)</p> <p>NC links: KS3 + Histograms and cumulative Frequency, iteration, further inequalities, Arguments and proof,</p>	<p>Topic Overview: Number 2 (2) Algebra 3 (3) Length, area, volume, similarity (3)</p> <p>NC links: KS3 + Exact values with pi + surds, graphs of reciprocals (manipulation), exponential graphs, further gradients and area under graphs, interpret graphs – rate of change and direct/indirect proportion, Chords and tangents to graphs, similar lengths area and volume</p>	GCSE Revision	GCSE Revision