



Key content – knowledge and skills	National Curriculum focus
<p>Autumn 1: Number; Algebra; Number; Algebra</p> <p>Autumn 2: Fractions and percentages; Equations, inequalities, & sequences; Fractions, ratio and percentages; Interpreting and representing data</p> <p>Spring 1: Angles; Perimeter, area, and volume 1; Angles and trigonometry; Area and volume</p> <p>Spring 2: Graphs, tables, and charts; Averages and range; Graphs</p> <p>Summer 1: Graphs; Ratio and proportion; Equations and Inequalities; Multiplicative Reasoning</p> <p>Summer 2: Transformations; Probability; Transformations and constructions; Probability; Similarity and congruence</p> <p>A/Learn Overview: Foundation / Higher</p>	<p>Subject content from the National Curriculum Programme of Study July 2014:</p> <p>N1 – N8</p> <p>A1 – A17</p> <p>R1 – R6</p> <p>G1 – G15</p> <p>P1 – P4</p> <p>S1 – S6</p>
Key assessment points	
<p>There will be one assessment each half-term</p> <p>Autumn 1: Unit 1-2 assessment / Unit 1-2 assessment</p> <p>Autumn 2: Unit 1, 2, 4, and 5 assessment / Unit 1-4 assessment</p> <p>Spring 1: Unit 1, 2, 4, 5, 6, 8 assessment / Unit 1-5, 7, assessment</p> <p>Spring 2: Unit 1-8 assessment / Unit 1-7 assessment</p> <p>Summer 1: Unit 1-9, 11 assessment / Unit 1-7, 9, 11 assessment</p> <p>Summer 2: Unit 1-11, 13 assessment / Unit 1-12 assessment</p>	
Christian ethos	
<p>With all mathematics studied we will be exploring how skills such as problem solving, numerical reasoning and real life applications, covered in each topic, will make our students confident and motivated, fully equipped to make a positive contribution to society.</p>	
British values	
<p>An explicit opportunity in the Year 10 curriculum to explore British values falls within the discussion and debate created from exploring real life applications created from mathematics. Teachers will guide and advise students appropriately.</p>	

Subject: Year 10 Maths Foundation / Higher
Long-term plan

Week	Month	Learning Intentions and/or Key Questions
Aut1-1	September	Number
Aut1-2		Algebra
Aut1-3		Number
Aut1-4		Algebra
		Half term assessment
Aut1-5	October	
Aut1-6		
Aut1-7		
		Half term holiday
Aut2-1	November	Fractions and percentages
Aut2-2		Equations, inequalities, & sequences
Aut2-3		Fractions, ratio and percentages
Aut2-4		Interpreting and representing data
Aut2-5		End of term assessment
Aut2-6	December	
Aut2-7		
		Christmas holiday
Spr1-1	January	Angles
Spr1-2		Perimeter, area, and volume 1
Spr1-3		Angles and trigonometry
Spr1-4		Area and volume
Spr1-5		Half term assessment
Spr1-6	February	
		Half term holiday
Spr2-1	March	Graphs, tables, and charts
Spr2-2		Averages and range
Spr2-3		Graphs
Spr2-4		End of term assessment
Spr2-5		
Spr2-6		
	April	Easter holiday
Sum1-1	May	Graphs
Sum1-2		Ratio and proportion;
Sum1-3		Equations and Inequalities
Sum1-4		Multiplicative Reasoning
Sum1-5		Half term assessment
Sum1-6		
	June	Half term holiday
Sum2-1		Transformations
Sum2-2		Probability
Sum2-3		Transformations and constructions
Sum2-4		Probability
Sum2-5	July	Similarity and congruence
Sum2-6		End of year assessment
Sum2-7		

Subject: Maths
Medium-term plan
 Autumn 1

Year: 10
Foundation / Higher

Week	Module Overview	Cross-Curricular	Planning Links
1	Integers and place value Calculations, checking & rounding	Cross-Curricular Activity on a history of the number zero	Active Learn Foundation Higher Complete Maths platform Planning Proforma Department padlet Resources folder
2	Decimals Indices, roots, reciprocals & hierarchy of operations		
3	Indices, powers and roots Factors, multiples and primes		
4	Factors, multiplies, and primes Standard form and surds		
5	Simplifying expressions Algebra – expanding & factorising		
6	Expanding and factorising brackets Algebra – Solving and rearranging		
7	Expressions and substitution into formulae Sequences		

Subject: Maths
Medium-term plan
 Autumn 2

Year: 10
Foundation / Higher

Week	Module Overview	Cross-Curricular	Planning Links
1	Fractions Fractions	Cross-Curricular Activity on a history of the number zero	Active Learn Foundation Higher Complete Maths platform Planning Proforma Department padlet Resources folder
2	Fractions, decimals, and percentages Percentages		
3	Percentages Fractions, decimals & percentages		
4	Percentage increase & decreases Ratios		
5	Equations Ratio and proportion		
6	Inequalities Averages and range		
7	Sequences Representing and interpreting data and scatter graphs		

Subject: Maths
Medium-term plan
 Spring 1

Year: 10
Foundation / Higher

Week	Module Overview	Cross-Curricular	Planning Links
1	Properties of shapes & angle facts Polygons, angles and parallel lines	Cross-Curricular Activity on the mysterious mathematicians	Active Learn Foundation Higher
2	Angles in parallel lines Pythagoras' Theorem		Complete Maths platform
3	Interior and exterior angles of polygons Trigonometry		Planning Proforma
4	Perimeter of 2D shapes Perimeter, area, and circles		Department padlet
5	Area of 2D shapes 3D forms and volume, cylinders, cones and spheres		Resources folder
6	Volume of prisms Accuracy and bounds		

Subject: Maths
Medium-term plan
Spring 2

Year: 10
Foundation / Higher

Week	Module Overview	Cross-Curricular	Planning Links
1	Collecting and representing data Graphs – the basics	Cross-Curricular Activity on the mysterious mathematicians	Active Learn Foundation Higher
2	Charts and graphs Graphs – real-life graphs		Complete Maths platform
3	Pie Charts Linear graphs		Planning Proforma
4	Scatter graphs Coordinate geometry		Department padlet
5	Averages Quadratic graphs		Resources folder
6	Statistics and sampling Cubic and other graphs		

Subject: Maths **Year:** 10

Medium-term plan **Foundation / Higher**

Summer 1

Week	Module Overview	Cross-Curricular	Planning Links
1	Real-life graphs Solving quadratic equations	Cross-Curricular Activity on music and probability	Active Learn Foundation Higher
2	Distance-time graphs Solving simultaneous equations		Complete Maths platform
3	Straight line graphs Solving linear inequalities		Planning Proforma
4	Coordinate geometry Growth and decay – multipliers		Department padlet
5	Ratio Direct and inverse proportion		Resources folder
6	Proportion Compound measures		

Subject: Maths
Medium-term plan
Summer 2

Year: 10
Foundation / Higher

Week	Module Overview	Cross-Curricular	Planning Links
1	Translations and rotations Transformations	Cross-Curricular Activity on music and probability	Active Learn Foundation Higher
2	Reflections and enlargements Bearings and scale drawings		Complete Maths platform
3	Mixed transformations Constructions and loci		Planning Proforma
4	Calculating probabilities Probability - basics		Department padlet
5	Experimental probability Probability – combined events		Resources folder
6	Tree diagrams and Venn diagrams Similarity and congruence		