Curriculum Map - Maths - Year 9 Foundation

Autumn Term		Spring Term		Summer Term	
Unit Title:	**Unit Title**:	**Unit Title:**	**Unit Title:**	**Unit Title:**	**Unit Title:**
Number Algebra	Algebra Graphs, tables & charts	Graphs, tables & charts Fractions & percentages	Percentages Equations, Inequalities & sequences	Equations, Inequalities & sequences Angles	Averages and range Perimeter, area & volume
Key topics covered:	**Key topics covered:**	**Key topics covered:**	**Key topics covered:**	**Key topics covered:**	**Key topics covered:**
Decimals Place value Types of numbers Powers and indices Prime factors, HCF and LCM Simplifying expressions	Expressions and formulae Expanding and factorising Frequency tables Two way tables Representing data Averages Time series	Pie charts Using the line of best fit Fractions Fractions and decimals Fractions and percentages	Percentages Recap of solving equations and formulae Inequalities Using formulae	Sequences Angles in parallel lines Angles in polygon Interior and exterior angles Geometrical problems	Averages from a list, stem and leaf diagram and frequency tables Sampling Properties of polygons Perimeter and area

Through the mathematics content, pupils should be taught to:

- **Develop fluency**
- **Reason mathematically**
- **Solve problems**
- **Use mathematical language and properties precisely**

Why do students study this:
Students will study this to be able to move freely between different numerical, algebraic, graphical and diagrammatic representations. Extend and formalise their knowledge of ratio and proportion, including trigonometric ratios, and in working with measures and geometry.
They will do this to develop their mathematical knowledge through solving problems and evaluating the outcomes, including multi-step problems
And then finally to be able to select appropriate methods and techniques to apply to unfamiliar and nonroutine problems; interpret their solution in the context of the given problem.

Assessment Dates - Can be found on the School Website
Assessment topics - Topics are shared by class teachers nearer to the exam period