

Progression map: breaks down the key concepts to specify the most important knowledge and how that knowledge builds within the curriculum.

Key Concepts	Year 10	Year 11
Number	<ul style="list-style-type: none">• Application of number• Calculating in geometry	<ul style="list-style-type: none">• Geometrical constructions
Ratio and proportion	<ul style="list-style-type: none">• Application of number• Calculating in Geometry• Application of geometry	<ul style="list-style-type: none">• Interpreting data
Algebra	<ul style="list-style-type: none">• Algebraic techniques	<ul style="list-style-type: none">• Geometrical constructions
Geometry and Measures	<ul style="list-style-type: none">• Application of number• Calculating in Geometry.• Application of Geometry.	<ul style="list-style-type: none">• Geometrical constructions
Statistics	<ul style="list-style-type: none">• Probability techniques• Statistical calculations• Representing statistics	<ul style="list-style-type: none">• Interpreting data
Probability	<ul style="list-style-type: none">• Probability techniques.	<ul style="list-style-type: none">• Interpreting data

Long-term plan: organises the knowledge from the progression map into units to give an overview of what is taught when in the curriculum.

Year 10 Foundation					
Autumn Term		Spring Term		Summer Term	
Unit Title: <ul style="list-style-type: none"> Application of number Algebraic techniques 	Unit length: 5 weeks 6 weeks	Unit Title: <ul style="list-style-type: none"> Calculating in Geometry Probability techniques Statistical calculations 	Unit length: 4weeks 3 weeks 2 weeks	Unit Title: <ul style="list-style-type: none"> Application of geometry. Representing Statistics 	Unit length: 6 weeks 4 weeks
Domains of Knowledge: <ul style="list-style-type: none"> Percentages and interest Ratio and proportion Sequences Rearranging formula Inequalities Graphs Simultaneous equations Distance/time graphs 		Domains of Knowledge: <ul style="list-style-type: none"> Vectors Scales Metric and compound measures Probabiltiy trees Venn diagrams Averages 		Domains of Knowledge: <ul style="list-style-type: none"> Perimeter, area and volume Similar shapes Scatter graphs 2 way tables Stem and leaf diagrams 	
Relevant Key Concepts: <ul style="list-style-type: none"> Number Algebra Geometry and measures Ratio and proportion 		Key Concepts: <ul style="list-style-type: none"> Geometry and measures Number Ratio and proportion Statistics Probability 		Key Concepts: <ul style="list-style-type: none"> Geometry and measures Algebra Ratio and proportion Statistics 	
Gateway knowledge: <ul style="list-style-type: none"> Basic percentages Arithmetic sequences. 		Gateway knowledge: <ul style="list-style-type: none"> Translations time Units of length, weight and liquid Calculating probabilities Drawing Venn diagrams 		Gateway knowledge: <ul style="list-style-type: none"> Coordinates Ordering numbers Enlargement 	
Assessment end-points: <ul style="list-style-type: none"> Converting between FDP Write one number as a percentage of another 		Assessment end-points: <ul style="list-style-type: none"> Draw, describe and calculate with vectors Calculating probability and expected outcomes 		Assessment end-points: <ul style="list-style-type: none"> Calculate area and perimeter of basic shapes 	

<ul style="list-style-type: none"> ● Percentage increase/decrease and change including multipliers. ● Reverse percentages ● Simple and compound interest ● Writing, simplifying and calculating with ratios. ● Direct and inverse proportion. ● Sequences including geometric sequences ● Rearrange formula ● Represent and solve inequalities ● Plot straight line graphs using $y=mx +c$ ● Solve simultaneous equations ● Draw and interpret distance time graphs 	<ul style="list-style-type: none"> ● Listing outcomes ● Construct and complete frequency trees. ● Use Venn diagrams to calculate probabilities. ● Construct and use tree diagrams. ● Calculate averages from list and diagrams. ● Calculate using compound measures. 	<ul style="list-style-type: none"> ● Calculate area and circumference of a circle including arcs and sectors. ● Represent statistics through use of scatter graphs, two way tables and stem and leaf diagrams.
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Year 11 Foundation					
Autumn Term		Spring Term		Summer Term	
Unit Title: <ul style="list-style-type: none"> Interpreting data 	Unit length: 5 weeks	Unit Title: <ul style="list-style-type: none"> Geometrical construction. 	Unit length: 8 weeks	Unit Title: Priority timetable revision.	Unit length:
Domains of Knowledge: <ul style="list-style-type: none"> Averages from a frequency table Comparing sets of data Trends Sampling 		Domains of Knowledge: <ul style="list-style-type: none"> Constructions and measuring angles Loci Bearings nets scales Pythagoras Theorem Trigonometry 		Domains of Knowledge: <ul style="list-style-type: none"> 	
Relevant Key Concepts: <ul style="list-style-type: none"> Statistics Ratio and proportion Probability 		Key Concepts: <ul style="list-style-type: none"> Geometry and measures Number Algebra 		Key Concepts:	
Gateway knowledge: <ul style="list-style-type: none"> Averages from a set of data Plotting graphs Fractions Proportion Completing tables of data 		Gateway knowledge: <ul style="list-style-type: none"> Solving equations Missing angles in lines and angle rules. 2D symmetry. 		Gateway knowledge: <ul style="list-style-type: none"> 	
Assessment end-points: <ul style="list-style-type: none"> Find mean averages from tables of information Examine trends and plot time series graphs Take samples from a data set. recognising appropriate sample technique. 		Assessment end-points: <ul style="list-style-type: none"> Measure draw and label angles Construct triangles Draw accurately using ruler and compasses Draw loci and identify regions Planes of symmetry Plans and elevations Interpret, measure and give accurate bearings. Solve problems using Pythagoras Theorem Calculate missing sides and angles using Trigonometry. 		Assessment end-points: <ul style="list-style-type: none"> 	

