

Year 7	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Maths	Place Value and Addition Subtraction	Multiply Divide and FDP Equivalence	Types of Number and Directed Number	Fraction & Percentage of Amount and Geometry	Sequences, Algebraic Notation and Equivalence	Statistics & Probability
	During this half term, students will consolidate their knowledge of place value and use this to develop varied methods to add and subtract numbers of various sizes.	During this half term, students begin to explore different methods to multiply and divide numbers of any size, including decimals. They will learn to convert fractions, decimals and percentages making strong links to the skills learnt in the place value block during the first half term.	During this half term, Students will explore the different types of numbers such as factors, multiples, primes and many more. They will need to draw heavily upon skills learnt for multiplying and dividing in the previous term. They will then explore the rules of directed number (negative numbers) which makes strong links to both addition, subtraction, multiplication and division already covered.	During this half term, students are exploring both non-calculator and calculator methods to calculate fractions and percentages of numbers. They will explore the use of these skills in real life, making links to money. They will then begin to explore the concept of calculating area, perimeter and volume of shapes making links to metric and imperial units. This will allow for a smooth transition into exploring all the rules of angles and how they link to shapes.	Students will now begin to make links between number and explore how these lead into algebra. They will learn the basic concepts of algebra, beginning to simplify expressions. A heavy focus will be on develop a good understanding of equality and equivalence as this is a crucial foundation to ensure a more efficient progression in the future. There will be several links made to all number skills learnt earlier in the year.	To finish the academic year, students will focus on data and how it is used in the real world. They will then focus on the importance of using statistics and how it relates to calculating probability of both individual and combined events. .

Year 8	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Mathematics and Numeracy	Fractional Thinking and 4 Operators	Ratio, Proportion and Shape	Types of Number	Equations and Inequalities	Data and Probability	Averages
Maths	During this half term, students will further consolidate fractional thinking and embed this with the four rules of operation. They will finish the term extending knowledge of fraction, decimal, percentage equivalence and calculation.	During this half term, students will begin to develop understanding of ratio and proportion, while extending knowledge of units of measure. They will finish before Christmas exploring Area in 2D shapes and how this links to 3D Shapes.	During this half term, students will revisit and consolidate types of number such as primes, factors, multiples etc before moving onto working with indices. The indices work will be crucial to support the final block of working with brackets, equations and inequalities.	During this half term, students will complete the block of brackets, equations and inequalities, to support them with manipulating algebra in the cartesian plane. This will include the introduction to straight line graphs and other concepts. They will conclude by revisiting and further improving knowledge of angles from year 7.	During this half term, students will focus all on data. First, they will discover the best methods to represent data, before manipulating it in various formats to draw conclusions and link to probability.	In the final half term of the year, students will complete the academic year using averages and range in various contexts.

Year 9	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Mathematics and Numeracy	Fraction Decimal Percentage and Money	3D Shapes and Angles	3D Shapes and Angles	Transformations and Proportion	Triangles	Compound Measures and Probability
Maths	During this half term, students will further consolidate their understanding of fractions, decimal and percentage. They will then apply this to new skills which are crucial for everyday life such as tax, interest rates and many more.	During this half term, students will revisit 2 - dimensional shapes and progress these skills into 3 - dimensional shapes. They will then apply basic angle facts and see how important they	During this half term, students will develop their algebraic thinking applying it to equations and graphs. They will further embed their understanding of equivalence and see how algebra is used in the real world to solve complex problems.	During this half term, students will use their understanding of graphs and shape to apply it with different movements. They will then begin a new topic on proportion and how it is used in real life for recipes, ratio and value for money.	During this half term, students will revisit their algebra and shape skills to learn about relationships in both right angled and non-right-angled triangles. The topics are important for GCSEs.	During this half term, students will study speed, distance, time, density and population density, applying their number skills to the real world. They will finish the year studying probability and its relationship with data.



are with previously learnt shapes.

