

Subject Name:	Maths
Curriculum Intent Statement	
<p>Our curriculum will encourage pupils to be efficient, resilient problem solvers, able to apply their mathematical skills to any real life context they encounter after leaving the academy.</p> <p>Through learning mathematics, our pupils will develop the logical thinking skills to break problems in a wide range of contexts into manageable steps. Pupils will embrace the interconnected nature of the concepts within mathematics and how mathematics can be applied to contexts within everyday life, academia and careers. Their mathematical skills and knowledge will open doors for our pupils to select whichever future path they choose.</p>	
Autumn Term 1	
<p>Reasoning with large numbers</p> <ul style="list-style-type: none"> • 4-digit place value • Read, write, represent, order and compare • Find 10, 100 or 1000 more or less • Round numbers to the nearest 10, 100 or 1000 <p>Addition and subtraction</p> <ul style="list-style-type: none"> • Select appropriate strategies to add and subtract • Illustrate and explain appropriate addition and subtraction strategies including column method with regrouping 	
Autumn Term 2	
<p>Multiplication and division</p> <ul style="list-style-type: none"> • Distributive property including multiplying three 1-digit numbers • Mental multiplication and division strategies using place value and known and derived facts • Short multiplication and division <p>Data and Statistics</p> <ul style="list-style-type: none"> • Read, interpret and construct pictograms, bar charts and time graphs • Compare tables, pictograms and bar charts 	

Spring Term 1

Multiplication facts

- Identify and explore patterns in multiplication tables including 7 and 9

Fractions

- Equivalent fractions
- Represent fractions greater than one as mixed number and improper fractions
- Add and subtract fractions with the same denominator including fractions greater than one

Time

- Analogue to digital, 12-hour and 24-hour
- Convert between units of time

Spring Term 2

Decimals

- Decimal equivalents to tenths, quarters and halves
- Compare and order numbers with same number of decimal places
- Multiply and divide by 10 and 100 including decimals

Area and perimeter

- Perimeter of rectangles and rectilinear shapes
- Area of rectangles and rectilinear shapes
- Investigate area and perimeter

Summer Term 1

Measures and money

- Convert units of measure
- Select appropriate units to measure
- Use strategies to investigate problems: trial and improvement, organising using lists and tables, working systematically

Shape and symmetry

- Classify, compare and order angles
- Compare and classify 2-D shapes
- Identify lines of symmetry

Summer Term 2

Position and direction

- Describe and plot using coordinates
- Describe translations

Patterns and sequences

- Roman numerals up to 100
- Place value of other number systems
- Number sequences and patterns

3-D shapes

- Use understanding of 3-D shapes
- Identify 3-D shapes from 2-D representations