

**Curriculum Intent:** Pupils will gain the understanding and knowledge that is required to inspire a passion in problem-solving and mathematics, enabling them to enter the workplace with resilience and transferrable skills.

**Curriculum Rationale:** The key strands of mathematics run through each year group, Number, Ratio and Proportion, Shape and Space, Geometry and Statistics and Probability in order to create a rounded mathematician. Pupil's knowledge is built upon their prior learning during each academic year, allowing previous concepts to be recalled and applied to a new concept. Pupils can continue their studies into Key Stage 5 by studying A-level Mathematics.

**What makes the Bloxwich experience unique:** You will study a broad curriculum that will enable you to develop your fluency, reasoning and problem-solving skills. You will also have the opportunity to participate in numeracy weeks where you will have 'hands on' experience in real-life Maths.

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>7</b>	<b>Unit 1:</b> Sequences <b>Unit 2:</b> Use and understand algebraic notation <b>Unit 3:</b> Equality and Equivalence	<b>Unit 4:</b> Place value and ordering integers and decimals <b>Unit 5:</b> Fractions, decimals and percentage equivalence <b>Unit 6:</b> Problem solving with addition and subtraction	<b>Unit 7:</b> Problem solving with multiplication and division <b>Unit 8:</b> Fractions and Percentages of amounts <b>Unit 9:</b> Operations and Equations with directed numbers	<b>Unit 10:</b> Addition and Subtraction of fractions <b>Unit 11:</b> Constructing and measuring and using geometric notation	<b>Unit 12:</b> Developing geometric reasoning	<b>Unit 13:</b> Sets and Probability <b>Unit 14:</b> Primes and Proof
<b>8</b>	<b>Unit 1:</b> Ratio and Scale <b>Unit 2:</b> Multiplicative Change <b>Unit 3:</b> Multiplying and dividing fractions	<b>Unit 4:</b> Working in the cartesian plane <b>Unit 5:</b> Collecting and representing data <b>Unit 6:</b> Tables	<b>Unit 7:</b> Brackets, equations and inequalities <b>Unit 8:</b> Sequences <b>Unit 9:</b> Indices	<b>Unit 10:</b> Fractions and Percentages <b>Unit 11:</b> Standard Form <b>Unit 12:</b> Number Sense	<b>Unit 13:</b> Angles in parallel lines <b>Unit 14:</b> Area of trapezia and circles	<b>Unit 15:</b> Line symmetry and reflection <b>Unit 16:</b> The data handling cycle <b>Unit 17:</b> Measures of location
<b>9</b>	<b>Unit 1:</b> Straight line graphs <b>Unit 2:</b> Forming and Solving equations <b>Unit 3:</b> Testing conjectures	<b>Unit 4:</b> Three dimensional shapes <b>Unit 5:</b> Constructions and Congruency	<b>Unit 6:</b> Numbers <b>Unit 7:</b> Using percentages <b>Unit 8:</b> Deduction	<b>Unit 9:</b> Rotation and Translation <b>Unit 10:</b> Pythagoras Theorem <b>Unit 11:</b> Maths and money	<b>Unit 12:</b> Enlargement and Similarity <b>Unit 13:</b> Solving ratio and proportion problems	<b>Unit 14:</b> Rates <b>Unit 15:</b> Probability <b>Unit 16:</b> Algebraic Representation

## Foundation

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>10F</b>	<b>Unit 1:</b> Number <b>Unit 2:</b> Algebra	<b>Unit 3:</b> Graphs, tables and charts <b>Unit 4:</b> Fractions and percentages	<b>Unit 5:</b> Equations, inequalities and sequences	<b>Unit 6:</b> Angles <b>Unit 7:</b> Averages and range <b>Unit 8:</b> Perimeter, area and volume 1	<b>Unit 9:</b> Graphs	<b>Unit 10:</b> Transformations <b>Unit 11:</b> Ratio and proportion
<b>11F</b>	<b>Unit 11:</b> Ratio and proportion <b>Unit 12:</b> Right-angled triangles <b>Unit 13:</b> Probability	<b>Unit 14:</b> Multiplicative reasoning <b>Unit 15:</b> Constructions, loci and bearings	<b>Unit 16:</b> Quadratic equations and graphs <b>Unit 17:</b> Perimeter, area and volume 2 <b>Unit 18:</b> Fractions, indices and standard form	<b>Unit 19:</b> Congruence, similarity and vectors <b>Unit 20:</b> More algebra	<b>Revision and exam practice</b>	<b>Revision and exam practice</b>

## Higher

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>10H</b>	<b>Unit 1:</b> Number <b>Unit 2:</b> Algebra	<b>Unit 3:</b> Interpreting and representing data <b>Unit 4:</b> Fractions, ratio and percentages	<b>Unit 5:</b> Angles and trigonometry	<b>Unit 6:</b> Graphs <b>Unit 7:</b> Area and volume	<b>Unit 8:</b> Transformations and constructions	<b>Unit 9:</b> Equations and inequalities <b>Unit 10:</b> Probability
<b>11H</b>	<b>Unit 11:</b> Multiplicative reasoning <b>Unit 12:</b> Similarity and congruence <b>Unit 13:</b> More trigonometry	<b>Unit 14:</b> Further statistics <b>Unit 15:</b> Equations and graphs	<b>Unit 16:</b> Circle theorems <b>Unit 17:</b> More algebra	<b>Unit 18:</b> Vectors and geometric proof <b>Unit 19:</b> Proportion and graphs	<b>Revision and exam practice</b>	<b>Revision and exam practice</b>