BloxwichAcademy
Curriculum Overview

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

Foundation

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

Higher

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