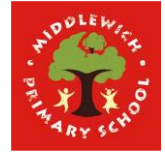# Middlewich Primary School Curriculum
Mathematics

The maths curriculum at Middlewich Primary School meets all the requirements of the National Curriculum. We use the Power Maths scheme of learning from EYFS through to Year 5. In year 6 pupils use Target Maths. Across EYFS and KS1, we also use the NCETM Mastering Number Programme.

	Autumn	**Spring**	**Summer**
EYFS	**Numbers to 5** **Comparing groups within 5** **Shapes 3D and 2D** **Change within 5** **Number bonds within 5** **Space**	**Numbers to 10** **Comparing numbers within 10** **Addition to 10** **Measure** **Number bonds to 10** **Subtraction** **Exploring patterns**	**Counting on and back** **Numbers to 20** **Numerical patterns** **Shape** **Measure** **Sorting** **Time**
year 1	**Number: Place Value** Numbers and part-whole within 10 **Number: Addition and Subtraction** Addition and subtraction within 10 **Geometry** 2D and 3D shapes **Number: Place Value** Numbers to 20	**Number: Addition and Subtraction** Addition and subtraction within 20 **Number: Place Value** Numbers to 50 **Measurement** Introducing length, height, weight and volume	**Number: Multiplication and Division** Equal groups, doubles, 10s, 5s and 2s **Number: Fractions** Halves and quarters **Geometry** Position and direction **Measurement** Time and money
year 2	**Number: Place Value** Numbers to 100 **Number: Addition and Subtraction** Addition and subtraction with 2-digit numbers **Measurement** Money **Number: Multiplication and Division** Equal groups, arrays, 2, 5 and 10 times-table	**Number: Multiplication and Division** Dividing by 2, 5 and 10 **Statistics** Tally charts, pictograms, block diagrams **Measurement** Length and height **Geometry** Properties of shape **Number: Fractions** Halves, quarters, unit fractions,	**Geometry:** Position and Direction **Number: Addition and Subtraction** Problem solving and efficient methods **Measurement** Time, weight, volume, temperature

Curriculum Overview Key Stage 2

year 3	**Number: Place Value** Numbers to 1000 **Number: Addition and Subtraction** Addition and subtraction with 3-digit numbers **Number: Multiplication and Division** Multiplying and dividing by 3, 4 and 8	**Number: Multiplication and Division** Related facts, x and ÷ of a 2 digit number **Measurement** Money and length **Statistics** Pictograms, bar charts and tables **Number: Fractions** Tenths, as numbers, of objects	**Number: Fractions** Equivalent fractions, comparing, ordering, adding, subtracting, problem solving **Measurement** Time **Geometry** Properties of shape **Measurement** Mass and capacity
year 4	**Number: Place Value** Place value of 4-digit numbers **Number: Addition and Subtraction** Addition and subtraction with 4-digit numbers **Measurement** Perimeter **Number: Multiplication and Division** Multiples of 10 and 100 Multiplying and dividing by 0, 1, 6, 9, 7, 11, 12	**Number: Multiplication and Division** x and ÷ of a 3 digit number, problem solving, multiplying 3 numbers **Measurement** Area **Number: Fractions** Tenths, hundredths, equivalent fractions, simplifying, fractions > 1, adding and subtracting, of a quantity **Number Decimals** Tenths, hundredths, x and ÷ by 10 and 100	**Number Decimals** Making a whole, writing, comparing, ordering, rounding, halves and quarters, problem solving **Measurement** Money and time **Statistics** Charts and tables, line graphs, problem solving **Geometry** Identifying and ordering angles, regular and irregular shapes, classifying triangles, quadrilaterals, symmetry **Position and Direction** Describing position, moving on a grid

year 5	**Number: Place Value** Place value within 100,000 and 1,000,000 **Number: Addition and Subtraction** Numbers with more than 4 digits, rounding, mental methods, inverse operations **Statistics** Graphs and tables **Number: Multiplication and Division** Multiples, factors, primes, squares, cubes, inverse operations, x and ÷ by 10, 100 and 1000 **Measurement** Area and perimeter	**Number: Multiplication and Division** x and ÷ up to 4 digit numbers, x and ÷ two 2-digit numbers, x and ÷ a 3-digit number by a 2-digit number, division with remainders **Number: Fractions/Decimals/Percentages** Equivalent fractions, converting, number sequences, comparing and ordering, as division, adding and subtracting, problem solving, multiplying, fractions of amounts, writing decimals, decimals as fractions, thousandths, ordering and comparing, rounding, percentages,	**Number: Fractions/Decimals/Percentages** Adding and subtracting decimals, decimal sequences, problem solving, multiplying decimals **Geometry** Measuring, drawing and calculating angles, drawing parallel, perpendicular lines, regular and irregular polygons, reflection, coordinates, translation **Measurement** Converting units, volume and capacity
year 6	**Place Value** Place value up to 10,000,000 **Four Operations** Written methods for four operations Factors, multiples, primes, square, cubes **Fractions** Equivalent, order, add, subtract, multiply and divide **Converting Units** Metric measure, miles, km, imperial measures	**Ratio** Fractions, calculating ration, using scale factors **Algebra** Rules, expressions, substitutions, formulae, equations, values **Decimals** Up to 3dp, multiplying and dividing, fractions relationship **Fractions, Decimals and Percentages** Fractions relationship, equivalents, ordering, amounts, missing values **Area, Perimeter and Volume** Triangles, parallelogram, cuboids **Statistics** Read, interpret, draw, line graphs, circles, pie charts, mean	**Shape** Drawing lines, angles and shapes, measuring and calculating angles in triangles, regular polygons and special quadrilaterals Drawing 3D shapes including nets **Position and Direction** The first quadrant, four quadrants, translations, reflections