Manor Drive

Mathematics Curriculum

Manor Drive

Year 1 and 2

Manor Drive

Maths Curriculum - Long Term Plan
Year 1/2

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Place Value (Within 20)			Addition and Subtraction (Within 20)			Place Value (Within 100)				Shape	
Spring	Addition and Subtraction (Within 100)				Multiplication and Division				Length and Height		Statistics	Consolidation
Summer	Money			Fractions			Time			Mass, Capacity and Temperature	Position and Direction (Geometry)	Consolidation

Number
Geometry
Measurement
Statistics
Fractions

Maths Curriculum – Autumn Term

Year 1/2

Autumn 1					
Week 1	Count objects within 10	Represent numbers to 10	Count on and back within 20	Understand 10	Understand 11 to 15
Week 2	Understand 16 to 20	1 more	1 less	Number lines	Estimate on a number line
Week 3	Less than, greater than, equal to	Compare numbers	Order numbers	Consolidation	Consolidation
Week 4	Parts and wholes	Systematic number bonds within 10	Number bonds to 10	Number bonds to 20	Addition – add together
Week 5	Addition – add more	Doubles	Add three 1-digit numbers	Find a part	Fact families – the eight facts
Week 6	Take away (how many left?)	Find the difference	Missing number problems	Consolidation	Consolidation
Autumn 2					
Week 1	Count beyond 20	Count tens	Groups of tens and ones	Partition into tens and ones	Use a place value chart
Week 2	Flexible partitioning	Number lines	Estimate on a number line	1 more and 1 less	Step 10 Compare numbers with the same number of tens
Week 3	Compare any two numbers	Order objects and numbers	Consolidation	Consolidation	Consolidation
Week 4	Consolidation	Consolidation	Consolidation	Consolidation	Consolidation
Week 5	Recognise and name 2-D and 3-D shapes	Count sides on 2-D shapes	Count vertices on 2-D shapes	Draw 2-D shapes	Vertical lines of symmetry
Week 6	Count faces on 3-D shapes	Count edges on 3-D shapes	Count vertices on 3-D shapes	Sort 2-D and 3-D shapes	Patterns with 2-D and 3-D shapes

Maths Curriculum – Spring Term

Year 1/2

Spring 1					
Week 1	Related Facts	Add and Subtract 1s	Add to the next 10	Add from a 10	Add across a 10
Week 2	Subtract to a 10	Subtract from a 10	Subtract across a 10	Add 10s	Subtract 10s
Week 3	Add two 2-digit numbers (not across a 10)	Add two 2-digit numbers (across a 10)	Subtract two 2-digit numbers (not across a 10)	Subtract two 2-digit numbers (across a 10)	Mixed addition and subtraction
Week 4	Compare Number sentences	Missing Number Problems	Consolidation	Consolidation	Consolidation
Week 5	Count in 2s, 5s and 10s	Count in 3s	Recognise equal groups	Make equal groups	Make arrays
Week 6	Add equal groups	Multiplication sentences	Commutativity	Make equal groups - grouping	Make equal groups - sharing
Spring 2					
Week 1	The 2 times-table	Divide by 2	Doubling and Halving	Odd and Even	The 10 times-table
Week 2	Divide by 10	The 5 times-table	Divide by 5	The 5 and 10 times-tables	Consolidation
Week 3	Measure length using objects	Measure length in centimetres	Measure length in metres	Compare lengths and heights	Order lengths and heights
Week 4	Four operations with lengths and heights	Consolidation	Consolidation	Consolidation	Consolidation
Week 5	Tally Charts	Tables	Block Diagrams	Draw Pictograms	Interpret Pictograms
Week 6	Consolidation	Consolidation	Consolidation	Consolidation	Consolidation

Maths Curriculum – Summer Term

Year 1/2

Summer 1					
Week 1	Recognise coins and notes	Count money - pence	Count money - pounds (coins and notes)	Count money - pounds and pence	Choose notes and coins
Week 2	Compare amounts of money	Calculate with money	Make a pound	Find change	Consolidation
Week 3	Parts and whole	Equal and unequal parts	Recognise a half	Find a half	Recognise a quarter
Week 4	Find a quarter	Recognise a third	Find a third	Find the whole	Unit fractions
Week 5	Non-unit fractions	Recognise the equivalence of a half and two-quarters	Recognise three-quarters	Find three-quarters	Count in fractions up to a whole
Week 6	Months and Days	Hours, minutes and seconds	O'clock and half past	Quarter past	Tell time past the hour
Summer 2					
Week 1	Quarter to	Tell time to the hour	Tell the time to 5 minutes	Minutes in an hour	Hours in a day
Week 2	Time problems	Consolidation	Consolidation	Consolidation	Consolidation
Week 3	Compare mass	Measure in grams	Measure in kilograms	Four operations with mass	Compare volume and capacity
Week 4	Measure in mililetres	Measure in litres	Four operations with volume and capacity	Temperature	Consolidation
Week 5	Language of position	Describe movement	Describe turns	Describe movement and turns	Consolidation
Week 6	Consolidation	Consolidation	Consolidation	Consolidation	Consolidation

Manor Drive

Year 3 and 4

Manor Drive

Maths Curriculum - Long Term Plan

Year 3/4

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Place Value				Addition and Subtraction				Multiplication and Division (1)			Measurement Area
Spring	Multiplication and Division (2)			Measurement Length and Perimeter		Fractions (1)			Mass and Capacity		Fractions (2)	
Summer	Time		Decimals			Money		Shape		Position and Direction	Statistics	

Number
Geometry
Measurement
Statistics
Fractions

Maths Curriculum – Autumn Term

Year 3/4

Autumn 1					
Week 1	Hundreds, tens, ones	Represent Numbers to 1,000	Partition numbers to 1,000	Thousands	Represent Numbers to 10,000
Week 2	Partition numbers to 10,000	Flexible Partioning	Find 1, 10, 100, 1000 more or less	Number line to 1,000	Number line to 10,000
Week 3	Estimate on a number line	Compare Numbers	Order Numbers	Round to the nearest 10	Round to the nearest 100
Week 4	Round to the nearest 1,000	Round to the nearest 10, 100, 1000	Roman Numerals	Consolidation	Consolidation
Week 5	Add and subtract 1s, 10s, 100s, 1,000s	Add 1s, 10s, 100s across a boundary	Subtract 1s, 10s, 100s across a boundary	Make connections	Add up to two 4-digit numbers – no exchange
Week 6	Add up to two 4-digit numbers – across a 10	Add up to two 4-digit numbers – across a 100	Add up to two 4-digit numbers – across a 1,000	Add numbers with a different number of digits	Subtract up to two 4-digit numbers – no exchange
Autumn 2					
Week 1	Subtract up to two 4-digit numbers – across a 10	Subtract up to two 4-digit numbers – across a 100	Subtract up to two 4-digit numbers – across a 1,000	Subtract numbers with a different number of digits	Complements to 100 and 1,000
Week 2	Estimate answers	Inverse operations	Efficient methods	Consolidation	Consolidation
Week 3	Use arrays	Sharing and grouping	The 2, 5 and 10 times-tables	The 4 times-table	The 8 times-table
Week 4	The 2, 4 and 8 times-tables	The 3 times-table	The 6 times-table	The 9 times-table	The 3, 6 and 9 times-tables
Week 5	The 7 times-table	The 11 times-table	The 12 times-table	Multiply by 1 and 0	Divide a number by 1 and itself
Week 6	What is area?	Count squares	Make shapes	Compare areas	Consolidation

Maths Curriculum – Spring Term

Year 3/4

Spring 1					
Week 1	Factor pairs	Multiply and divide by 10 and 100	Reasoning about multiplication	Multiply three numbers	Efficent multiplicaton
Week 2	Scaling	Correspondence problems	Multiply up to a 3-digit number by a 1-digit number - no exchange	Multiply up to a 3-digit number by a 1-digit number - with exchange	Related calcualtions - multiplication and division
Week 3	Divide by a 3-digit number - fliexible partitioning	Divide up to a 3-digit number by a 1-digit number - no exchange	Divide up to a 3-digit number by a 1-digit number - with exchange	Divide up to a 3-digit number by a 1-digit number - with remainders	Consolidation
Week 4	Measure in centimetres and millimetres	Measure in metres and kilometres	Equivalent lengths	Add and subtract lengths	What is perimeter?
Week 5	Calculate perimeter	Perimeter of retilinear shapes	Calculate perimeter of retilinear shapes	Perimeter of polygons	Consolidation
Week 6	Understand denominators	Compare and order unit fractions	Understand numerators	Understand the whole	Fractions on a number line
Spring 2					
Week 1	Compare and order non-unit fractions	Equivalent fractions	Count beyond 1	Partition a mixed number	Compare and order mixed numbers
Week 2	Understand improper fractions	Convert mixed numbers to improper fractions	Convert improper fractions to mixed numbers	Equivalent fractions families	Consolidation
Week 3	Measure mass in grams	Measure mass in kilograms and grams	Equilvalent masses	Compare mass	Add and Subtract mass
Week 4	Measure capacity and volume in mililitres and litres	Equivalent capacities and volumes	Compare capacity and volume	Add and subtract capacity and volume	Consolidation
Week 5	Add fractions	Add fractions and mixed numbers	Subtract fractions	Subtract from whole amounts	Subtract from mixed numbers
Week 6	Unit fractions of an amount	Non-unit fractions of amount	Reasoning with fractions of amount	Consolidation	Consolidation

Maths Curriculum - Summer Term

Year 3/4

Summer 1					
Week 1	Tell the time to 5 minutes	Tell the time to the minute	Read time of a digital clock	Use a.m and p.m	Convert between analogue and digital times
Week 2	Convert between 12- and 24- hour clock times	Hours, minutes and seconds	Find and use durations	Years, months, weeks and days	Consolidation
Week 3	Tenths as fractions	Tenths as decimals	Tenths on a place value chart	Tenths on a number line	Hundredths as fractions
Week 4	Hundredths as decimals	Hundredths on a place value chart	Halves and quarters as decimals	Make a whole	Partition decimals
Week 5	Compare and order decimals	Round to the nearest whole number	Divide a number by 10	Divide a number by 100	Consolidation
Week 6	Pound and pence	Write money using decimals	Convert pounds and pence	Compare amounts of money	Estimate with money
Summer 2					
Week 1	Add money	Subtract money	Find change	Solve problems with money	Consolidation
Week 2	Turns and angles	Identify angles	Compare and order angles	Types of lines	Triangles
Week 3	Quadrilaterals	Polygons	Draw polygons	Symmetry	3-D shapes
Week 4	Describe position using coordinates	Plot coordinates	Draw 2-D shapes on a grid	Translate on a grid	Describe translation on a grid
Week 5	Pictograms	Interpret bar charts	Draw bar charts	Interpret line graphs	Draw line graphs
Week 6	Comparison, sum and difference	Two-way tables	Collect and represent data	Consolidation	Consolidation

Manor Drive

Year 5 and 6

Manor Drive

Maths Curriculum - Long Term Plan
Year 5/6

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Place Value			Addition and Subtraction	Multiplication and Division (1)		Fractions (1)				Multiplication and Division (2)	
Spring	Multiplication and Division (2)	Fractions (2)		Decimals (1)		Area, Perimeter and Volume		Decimals (2)			Fractions, Decimals and Percentages	
Summer	Ratio and Algebra			Shape			Position and Direction		Statistics		Converting Units	

Number
Geometry
Measurement
Statistics
Fractions
Ratio/Algebra

Maths Curriculum – Autumn Term

Year 5/6

Autumn 1					
Week 1	**Roman numerals to 1,000**	**Numbers to 100,000**	**Numbers to 1,000,000**	**Read and write numbers to 1,000,000**	**Numbers to 10,000,000**
Week 2	Read and write numbers to 10,000,000	Powers of 10	Partition numbers to 10,000,000	Number line to 10,000,000	Compare and order any integers
Week 3	Round within 100,000	Round any integer	Count through zero	Compare and order negative numbers	Calculate with negative numbers
Week 4	Mental strategies	Add integers	Subtract integers	Inverse operations and missing numbers	Reason from known facts
Week 5	Multiples	Common multiples	Factors	Common factors	Rules of divisibility
Week 6	Prime numbers	Square and cube numbers	Multiply by 10, 100 and 1,000	Divide by 10,100 and 1,000	Consolidation
Autumn 2					
Week 1	Recognise equivalent fractions	Equivalent fractions and simplifying	Equivalent fractions on a number line	Convert improper fractions to mixed numbers	Convert mixed numbers to improper fractions
Week 2	Compare fractions (denominator)	Compare fractions (numerator)	Order fractions	Add and subtract fractions with the same denominator	Add fractions where one denominator is a multiple of the other
Week 3	Add any two fractions	Add mixed numbers	Subtract fractions where one denominator is a multiple of the other	Subtract any two fractions	Subtract from a mixed number
Week 4	Subtract from a mixed number – breaking the whole	Subtract two mixed numbers	Multi-step problems	Consolidation	Consolidation
Week 5	Multiply a 2-digit number by a 2-digit number	Multiply up to a 4-digit number by a 2-digit number	Solve problems with multiplication	Short division	Divide a 4-digit number by a 1-digit number
Week 6	Division using factors	Introduction to long division	Long division with remainders	Solve problems with division	Efficient division

Maths Curriculum – Spring Term

Year 5/6

Spring 1					
Week 1	Solve multi-step problems	Order of operations	Mental calculations and estimation	Reason from known facts	Consolidation
Week 2	Multiply a unit fraction by an integer	Multiply a non-unit fraction by an integer	Multiply a mixed number by an integer	Multiply fractions by fractions	Divide a fraction by an integer
Week 3	Divide any fraction by an integer	Fraction of an amount	Fraction of an amount - find the whole	Consolidation	Consolidation
Week 4	Decimals up to 2 decimal places	Decimals up to 3 decimal places	Place value - integers and decimals	Order and compare decimals (same number of d.p.)	Order and compare decimals with up to 3 decimal places
Week 5	Round to the nearest whole number	Round to 1 decimal place	Round to 2 decimal places	Consolidation	Consolidation
Week 6	Perimeter of rectangles and rectilinear shapes	Area of rectangles	Area of compound shapes	Estimate area	Area of triangles
Spring 2					
Week 1	Area of parallelograms	Volume - cubic centimetres	Volume of a cuboid	Compare volume	Estimate volume and capacity
Week 2	Use known facts to add and subtract decimals within 1	Complements to 1	Add and subtract decimals across 1	Add decimals with the same number of d.p.	Subtract decimals with the same number of d.p.
Week 3	Add decimals with different numbers of d.p.	Subtract decimals with different numbers of d.p.	Efficient strategies	Decimal sequences	Multiply by 10, 100 and 1,000
Week 4	Divide by 10, 100 and 1,000	Multiply decimals by integers	Divide decimals by integers	Multiply and divide decimals in contexts	Consolidation
Week 5	Equivalent fractions and decimals - tenths	Equivalent fractions and decimals - hundredths	Equivalent fractions and decimals - thousandths	Fractions as division	Understand percentages
Week 6	Percentages as	Percentages as	Equivalent F, D, P	Order F, D, P	Percentages of an

Maths Curriculum - Summer Term

Year 5/6

Summer 1					
Week 1	Add or multiply?	Use ratio language	Ratio and fractions	Use scale factors	Similar shapes
Week 2	Ratio problems	Proportion problems	Function machines	Form expressions	Substitution
Week 3	Formulae	Form equations	Solve equations	Find pairs of values	Solve problems with two unknowns
Week 4	Understand and use degrees	Classify angles (include estimate)	Measure angles (include estimate)	Calculate angles around a point	Calculate angles on a straight line
Week 5	Vertically opposite angles	Angles in a triangle (include missing angles)	Angles in a triangle – special cases (include missing angles)	Angles in quadrilaterals	Regular polygons
Week 6	Irregular polygons	Circles	Draw shapes	3-D shapes	Consolidation
Summer 2					
Week 1	The first quadrant	Four quadrants	Solve problems with coordinates	Translations	Lines of symmetry
Week 2	Reflections	Consolidation	Consolidation	Consolidation	Draw line graphs
Week 3	Read and interpret line graphs	Bar charts (to include dual bar charts)	Tables (to include two-way table)	Timetables	Read and interpret pie charts
Week 4	Pie charts with percentages	Draw pie charts	The mean	Consolidation	Consolidation
Week 5	Kilograms and kilometres	Millimetres and millilitres	Convert metric units	Miles and kilometres	Imperial measures
Week 6	Convert units of time	Calculate with timetables	Consolidation	Consolidation	Consolidation