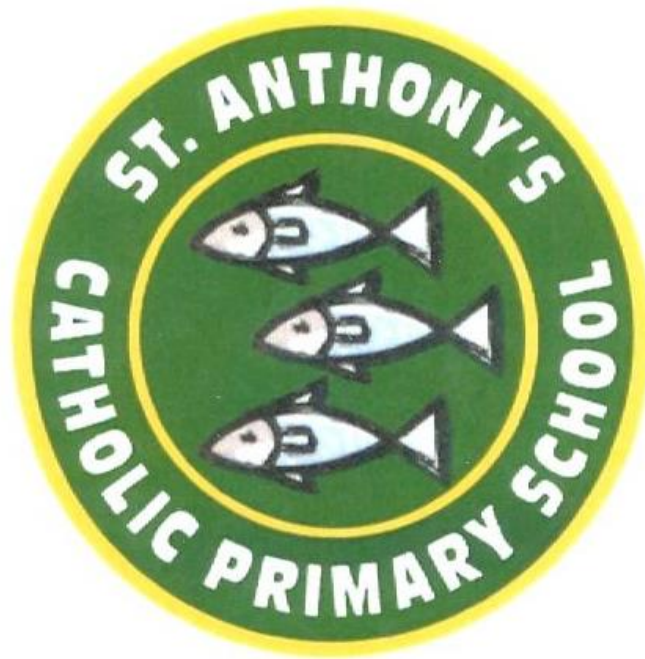


St Anthony's Catholic Primary School
Mathematical Vocabulary

Years 1 - 6



Mathematical Vocabulary

It is vital that there is a consistent approach to reinforcing the use of key vocabulary throughout all units of work when teaching mathematics.

Mathematical vocabulary at St Anthony's is:

- Explicitly taught
- Reinforced through children being expected to use it in their answers
- Reinforced through challenges and problems

The charts on the following pages outline the key vocabulary for each year group, with the red words/terms being those that should be specifically taught and used. The charts are cumulative and therefore teachers will revisit and will require children to use vocabulary which should have been learned in earlier year groups.

St Anthony's Catholic Primary School – Mathematical Vocabulary

Number – Number and Place Value					
<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
Count	Count	Count	Count	Count	Count
	Count in steps	Count in steps	Count in steps	Count in steps	Count in steps
		Count in multiples	Count in multiples	Count in multiples	Count in multiples
			Count backwards	Count backwards	Count backwards
			Negative numbers	Negative numbers	Negative numbers
					Calculate intervals
					Whole number
Forwards	Forwards	Forwards	Forwards	Forwards	Forwards
Backwards	Backwards	Backwards	Backwards	Backwards	Backwards
Numerals	Numerals	Numerals	Numerals	Numerals	Numerals
Multiples	Multiples	Multiples	Multiples	Multiples	Multiples
One more	One more	One more	One more	One more	One more
One less	One less	One less	One less	One less	One less
		10 or 100 more	10 or 100 more	10 or 100 more	10 or 100 more
		10 or 100 less	10 or 100 less	10 or 100 less	10 or 100 less
			1000 more	1000 more	1000 more
			1000 less	1000 less	1000 less
Equal to	Equal to	Equal to	Equal to	Equal to	Equal to
More than	More than	More than	More than	More than	More than
Less than (fewer)	Less than (fewer)	Less than (fewer)	Less than (fewer)	Less than (fewer)	Less than (fewer)
	Place value	Place value	Place value	Place value	Place value
	Digit	Digit	Digit	Digit	Digit
	Two digit	Two digit	Two digit	Two digit	Two digit
		Three digit	Three digit	Three digit	Three digit
			Four digit	Four digit	Four digit
	Estimate	Estimate	Estimate	Estimate	Estimate
	Compare	Compare	Compare	Compare	Compare
			Round	Round	Round
			Roman Numerals	Roman Numerals	Roman Numerals
				Powers of	Powers of

St Anthony's Catholic Primary School – Mathematical Vocabulary

Number – Addition and Subtraction					
<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
Add	Add	Add	Add	Add	Add
Subtract	Subtract	Subtract	Subtract	Subtract	Subtract
Equals	Equals	Equals	Equals	Equals	Equals
Number bonds	Number bonds	Number bonds	Number bonds	Number bonds	Number bonds
	Facts	Facts	Facts	Facts	Facts
Problems	Problems	Problems	Problems	Problems	Problems
Missing number problems	Missing number problems	Missing number problems	Missing number problems	Missing number problems	Missing number problems
	2 digit number	2 digit number	2 digit number	2 digit number	2 digit number
		3 digit number	3 digit number	3 digit number	3 digit number
			4 digit number	4 digit number	4 digit number
	Commutative	Commutative	Commutative	Commutative	Commutative
	Inverse	Inverse	Inverse	Inverse	Inverse
		Columnar addition	Columnar addition	Columnar addition	Columnar addition
		Columnar subtraction	Columnar subtraction	Columnar subtraction	Columnar subtraction
		Estimate	Estimate	Estimate	Estimate
			Operations Methods	Operations Methods	Operations Methods
				Rounding	Rounding
					Accuracy

St Anthony's Catholic Primary School – Mathematical Vocabulary

Number – Multiplication and Division					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Multiplication	Multiplication	Multiplication	Multiplication	Multiplication	Multiplication
Division	Division	Division	Division	Division	Division
Arrays	Arrays	Arrays	Arrays	Arrays	Arrays
	Multiplication tables	Multiplication tables	Multiplication tables	Multiplication tables	Multiplication tables
	Odd numbers	Odd numbers	Odd numbers	Odd numbers	Odd numbers
	Even numbers	Even numbers	Even numbers	Even numbers	Even numbers
	Commutative	Commutative	Commutative	Commutative	Commutative
	Repeated addition	Repeated addition	Repeated addition	Repeated addition	Repeated addition
		Mathematical statements	Mathematical statements	Mathematical statements	Mathematical statements
		Missing number problems	Missing number problems	Missing number problems	Missing number problems
		Integer scaling problems	Integer scaling problems	Integer scaling problems	Integer scaling problems
		Correspondence problems	Correspondence problems	Correspondence problems	Correspondence problems
		n objects	n objects	n objects	n objects
			Place value	Place value	Place value
			Derived facts	Derived facts	Derived facts
			Factor pairs	Factor pairs	Factor pairs
			Formal written layout	Formal written layout	Formal written layout
			Distributive law	Distributive law	Distributive law
				Multiples	Multiples
				Factors	Factors
				Prime numbers	Prime numbers

St Anthony's Catholic Primary School – Mathematical Vocabulary

				<i>Short division</i>	Short division
				<i>Remainders</i>	Remainders
				<i>Decimals</i>	Decimals
					<i>Multi digit numbers</i>
					<i>Long multiplication</i>
					<i>Long division</i>

St Anthony's Catholic Primary School – Mathematical Vocabulary

Number – Fractions (including decimals and percentages)					
<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
Half	Half	Half	Half	Half	Half
Quarter	Quarter	Quarter	Quarter	Quarter	Quarter
	Three quarters	Three quarters	Three quarters	Three quarters	Three quarters
	Third	Third	Third	Third	Third
				Fifth	Fifth
Equal parts	Equal parts	Equal parts	Equal parts	Equal parts	Equal parts
	Equivalence	Equivalence	Equivalence	Equivalence	Equivalence
			Decimal equivalence	Decimal equivalence	Decimal equivalence
		Tenths	Tenths	Tenths	Tenths
			Hundredths	Hundredths	Hundredths
				Thousandths	Thousandths
		Unit fractions	Unit fractions	Unit fractions	Unit fractions
		Non unit fractions	Non unit fractions	Non unit fractions	Non unit fractions
		Denominators	Denominators	Denominators	Denominators
		Equivalent fractions	Equivalent fractions	Equivalent fractions	Equivalent fractions
		One whole	One whole	One whole	One whole
				Convert	Convert
				Proper fractions	Proper fractions
				Mixed numbers	Mixed numbers
				Percent %	Percent %
					Factors

St Anthony's Catholic Primary School – Mathematical Vocabulary

Ratio and Proportion					
<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
					Relative size
					Missing values
					Integer multiplication
					Percentages
					Scale factor
					Unequal sharing & grouping

Algebra					
<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
					Formulae
					Linear number sequences
					Algebraically
					Equation
					Unknowns
					Combinations
					Variables

St Anthony's Catholic Primary School – Mathematical Vocabulary

Measurement (1)					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Measure	Measure	Measure	Measure	Measure	Measure
	Standard units	Standard units	Standard units	Standard units	Standard units
	Estimate	Estimate	Estimate	Estimate	Estimate
	Measure	Measure	Measure	Measure	Measure
	Compare	Compare	Compare	Compare	Compare
	Order	Order	Order	Order	Order
	Record results	Record results	Record results	Record results	Record results
				Decimal notation	Decimal notation
				Scaling	Scaling
				Metric units	Metric units
				Imperial units	Imperial units
				Inches	Inches
				Pounds	Pounds
				Pints	Pints
					Conversion
Length	Length	Length	Length	Length	Length
	Centimetre (cm)	Centimetre (cm)	Centimetre (cm)	Centimetre (cm)	Centimetre (cm)
	Metre (m)	Metre (m)	Metre (m)	Metre (m)	Metre (m)
		Millimetre (mm)	Millimetre (mm)	Millimetre (mm)	Millimetre (mm)
		Perimeter	Perimeter	Perimeter	Perimeter
					Miles
					Kilometres (km)
			Rectilinear figure	Rectilinear figure	Rectilinear figure
			Area	Area	Area
				Composite rectilinear shape	Composite rectilinear shape
				Irregular shapes	Irregular shapes

St Anthony's Catholic Primary School – Mathematical Vocabulary

				Square centimetres	Square centimetres
				Square metres	Square metres
					Formulae
					Parallelograms
					Triangles

Measurement (2)					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Height	Height	Height	Height	Height	Height
Long(er)/short(er)	Long(er)/short(er)	Long(er)/short(er)	Long(er)/short(er)	Long(er)/short(er)	Long(er)/short(er)
Tall(er)/short(er)	Tall(er)/short(er)	Tall(er)/short(er)	Tall(er)/short(er)	Tall(er)/short(er)	Tall(er)/short(er)
Double/half	Double/half	Double/half	Double/half	Double/half	Double/half
Mass	Mass	Mass	Mass	Mass	Mass
Weight	Weight	Weight	Weight	Weight	Weight
Heavy/light	Heavy/light	Heavy/light	Heavy/light	Heavy/light	Heavy/light
Heavier than	Heavier than	Heavier than	Heavier than	Heavier than	Heavier than
Lighter than	Lighter than	Lighter than	Lighter than	Lighter than	Lighter than
	Kilogram (kg)	Kilogram (kg)	Kilogram (kg)	Kilogram (kg)	Kilogram (kg)
	Gram (g)	Gram (g)	Gram (g)	Gram (g)	Gram (g)
Capacity	Capacity	Capacity	Capacity	Capacity	Capacity
Volume	Volume	Volume	Volume	Volume	Volume
Full/empty	Full/empty	Full/empty	Full/empty	Full/empty	Full/empty
More than	More than	More than	More than	More than	More than
Less than	Less than	Less than	Less than	Less than	Less than
Half/half full/quarter	Half/half full/quarter	Half/half full/quarter	Half/half full/quarter	Half/half full/quarter	Half/half full/quarter
	Litres (l)	Litres (l)	Litres (l)	Litres (l)	Litres (l)
	Millilitres (ml)	Millilitres (ml)	Millilitres (ml)	Millilitres (ml)	Millilitres (ml)

St Anthony's Catholic Primary School – Mathematical Vocabulary

Day	Day	Day	Day	Day	Day
Week	Week	Week	Week	Week	Week
Month	Month	Month	Month	Month	Month
Year	Year	Year	Year	Year	Year
O'clock	O'clock	O'clock	O'clock	O'clock	O'clock
Half past	Half past	Half past	Half past	Half past	Half past
Minute	Minute	Minute	Minute	Minute	Minute

Measurement (4)					
<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
	Intervals of time	Intervals of time	Intervals of time	Intervals of time	Intervals of time
	Quarter past/to	Quarter past/to	Quarter past/to	Quarter past/to	Quarter past/to
		Analogue clock	Analogue clock	Analogue clock	Analogue clock
		Roman numerals	Roman numerals	Roman numerals	Roman numerals
		12-hour clock	12-hour clock	12-hour clock	12-hour clock
		24-hour clock	24-hour clock	24-hour clock	24-hour clock
		a.m./p.m.	a.m./p.m.	a.m./p.m.	a.m./p.m.
		Noon	Noon	Noon	Noon
		Midnight	Midnight	Midnight	Midnight
		Leap year	Leap year	Leap year	Leap year
		Duration	Duration	Duration	Duration
			Digital	Digital	Digital
			Convert	Convert	Convert
Money	Money	Money	Money	Money	Money
Coins	Coins	Coins	Coins	Coins	Coins
Notes	Notes	Notes	Notes	Notes	Notes
Chorological order	Chorological order	Chorological order	Chorological order	Chorological order	Chorological order
	Pounds (£)	Pounds (£)	Pounds (£)	Pounds (£)	Pounds (£)

St Anthony's Catholic Primary School – Mathematical Vocabulary

	<i>Pence (p)</i>	Pence (p)	Pence (p)	Pence (p)	Pence (p)
	<i>Value</i>	Value	Value	Value	Value
	<i>Change</i>	Change	Change	Change	Change
	<i>Combinations</i>	Combinations	Combinations	Combinations	Combinations

St Anthony's Catholic Primary School – Mathematical Vocabulary

Geometry – Properties of Shape (1)					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
2-D Shapes	2-D Shapes	2-D Shapes	2-D Shapes	2-D Shapes	2-D Shapes
Rectangle	Rectangle	Rectangle	Rectangle	Rectangle	Rectangle
Square	Square	Square	Square	Square	Square
Circle	Circle	Circle	Circle	Circle	Circle
Triangle	Triangle	Triangle	Triangle	Triangle	Triangle
	Sides	Sides	Sides	Sides	Sides
	Lines of Symmetry	Lines of Symmetry	Lines of Symmetry	Lines of Symmetry	Lines of Symmetry
			Geometric shapes	Geometric shapes	Geometric shapes
			Quadrilaterals	Quadrilaterals	Quadrilaterals
			Properties	Properties	Properties
3-D Shapes	3-D Shapes	3-D Shapes	3-D Shapes	3-D Shapes	3-D Shapes
Cuboids	Cuboids	Cuboids	Cuboids	Cuboids	Cuboids
Cubes	Cubes	Cubes	Cubes	Cubes	Cubes
Pyramids	Pyramids	Pyramids	Pyramids	Pyramids	Pyramids
Spheres	Spheres	Spheres	Spheres	Spheres	Spheres
	Cylinder	Cylinder	Cylinder	Cylinder	Cylinder
	Pyramid	Pyramid	Pyramid	Pyramid	Pyramid
	Edges	Edges	Edges	Edges	Edges
	Vertices	Vertices	Vertices	Vertices	Vertices
	Faces	Faces	Faces	Faces	Faces
					Radius
					Diameter
					Circumference
				Regular polygon	Regular polygon
				Irregular polygon	Irregular polygon
					Quadrilateral
					Dimensions
					Net

St Anthony's Catholic Primary School – Mathematical Vocabulary

Geometry – Properties of Shape (2)					
<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
		<i>Orientations</i>	Orientations	Orientations	Orientations
		<i>Angles</i>	Angles	Angles	Angles
			<i>Acute angle</i>	Acute angle	Acute angle
			<i>Obtuse angle</i>	Obtuse angle	Obtuse angle
				<i>Reflex angles</i>	Reflex angles
				<i>Degrees</i>	Degrees
				<i>One whole turn</i>	One whole turn
				<i>Angles on a straight line</i>	Angles on a straight line
					<i>Vertically opposite</i>
					<i>Missing angles</i>
		<i>Turn</i>	Turn	Turn	Turn
		<i>Right angles</i>	Right angles	Right angles	Right angles
		<i>Half turn</i>	Half turn	Half turn	Half turn
		<i>Three quarters of a turn</i>	Three quarters of a turn	Three quarters of a turn	Three quarters of a turn
		<i>Greater than right angle</i>	Greater than right angle	Greater than right angle	Greater than right angle
		<i>Less than right angle</i>	Less than right angle	Less than right angle	Less than right angle
		<i>Horizontal lines</i>	Horizontal lines	Horizontal lines	Horizontal lines
		<i>Vertical lines</i>	Vertical lines	Vertical lines	Vertical lines
		<i>Perpendicular lines</i>	Perpendicular lines	Perpendicular lines	Perpendicular lines
		<i>Parallel lines</i>	Parallel lines	Parallel lines	Parallel lines

St Anthony's Catholic Primary School – Mathematical Vocabulary

Geometry – Position and Direction					
<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
Position	Position	Position	Position	Position	Position
Direction	Direction	Direction	Direction	Direction	Direction
Movement	Movement	Movement	Movement	Movement	Movement
Whole turn	Whole turn	Whole turn	Whole turn	Whole turn	Whole turn
Half turn	Half turn	Half turn	Half turn	Half turn	Half turn
Three quarter turn	Three quarter turn	Three quarter turn	Three quarter turn	Three quarter turn	Three quarter turn
	Straight line	Straight line	Straight line	Straight line	Straight line
	Rotation	Rotation	Rotation	Rotation	Rotation
	Order	Order	Order	Order	Order
	Arrange	Arrange	Arrange	Arrange	Arrange
	Patterns	Patterns	Patterns	Patterns	Patterns
	Sequences	Sequences	Sequences	Sequences	Sequences
			Co-ordinates	Co-ordinates	Co-ordinates
			First quadrant	First quadrant	First quadrant
					Four quadrants
			Translation	Translation	Translation
			Plot	Plot	Plot
			Polygon	Polygon	Polygon
				Reflection	Reflection
					Co-ordinate plane
					Axes

St Anthony's Catholic Primary School – Mathematical Vocabulary

Statistics					
<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Year 6</u>
	Pictograms	Pictograms	Pictograms	Pictograms	Pictograms
	Tally chart	Tally chart	Tally chart	Tally chart	Tally chart
	Block diagram	Block diagram	Block diagram	Block diagram	Block diagram
	Simple table	Simple table	Simple table	Simple table	Simple table
		Table	Table	Table	Table
				Timetable	Timetable
		Bar chart	Bar chart	Bar chart	Bar chart
			Time graph	Time graph	Time graph
			Discrete data	Discrete data	Discrete data
			Continuous data	Continuous data	Continuous data
				Line graph	Line graph
					Pie chart
	Category	Category	Category	Category	Category
	Sorting	Sorting	Sorting	Sorting	Sorting
	Totalling	Totalling	Totalling	Totalling	Totalling
	Comparing	Comparing	Comparing	Comparing	Comparing
			Comparison problem	Comparison problem	Comparison problem
			Sum problem	Sum problem	Sum problem
			Difference between	Difference between	Difference between
		One step problem	One step problem	One step problem	One step problem
		Two step problem	Two step problem	Two step problem	Two step problem
					Calculate
					Interpret
					Mean as an average