

# St Cuthbert's MATHS key skills and progression: Non Negotiables



Year Group	Number (Place Value)	Addition and Subtraction	Multiplication and Division	Fractions	Geometry	Statistics
EYFS	<p><b><u>NURSERY</u></b> Order, write, recognise and count numbers - Nursery: numbers 1 - 10 Reception: numbers 1 - 20</p> <p><b><u>RECEPTION</u></b> Know number bonds to 10 Double single digits Know half of single digits</p> <p><b><u>NURSERY AND RECEPTION</u></b> <b>Measure:</b> All Numeracy should be modelled and applied in a practical context where possible Use a variety of vocabulary to describe measure- fill, empty, half, compare, more/ less than/ tall, small, little, balance Use simple comparative language</p>				<p><b>BY THE END OF EYFS (End of Reception)</b> Recognise simple 2d and 3d shapes (sphere, cylinder, cube, cuboid, cone, circle, triangle, square, rectangle)</p> <p>Recognise basic features of shapes- Edge, face, corner</p> <p>Compare / Find and use shapes in pictures</p>	<p><b>BY THE END OF THE EYFS (End of Reception)</b> Use a simple tally chart</p> <p>Construct a simple pictogram</p>
Y1	Count, read, order and write numbers to 100	Represent and use number bonds to 20 and related subtraction facts to 20	Use an array and link it to number patterns- counting in 2s and 10s. Know the x2. X10 times tables.	Recognise Whole, half and quarter and relate to shape and numbers.	Recognise shapes in different orientations and sizes. Build on shape knowledge of 2D and 3D - prisms, pyramid types.	Make a simple Venn diagram and bar chart to record data
Y2	Recognise the place value of each three digit number (HTU)	Instantly recall addition and subtraction facts to 100 (Multiples of 10)	Recognise and use inverse of x and ÷. Know the x3, x4, x5, x9, x11 times tables.	Recognise, find, Name and write the fractions $\frac{1}{2}$ , $\frac{1}{4}$ , $\frac{2}{4}$ , $\frac{3}{4}$ of a length, shape, time, set of objects or quantity of a number.	Identify and describe properties of 2D shapes- vertices, faces, irregular, regular, lines of symmetry and right angles	Interpret and construct diagrams and simple tables
Y3	Recognise the place value in a four digit number (Th, H, T, U)	Subtract with up to 4 digits using an efficient method	Know x6, x7, x8, x12 times tables and the related division facts  Using $\times 10 \div 10$ related facts	Count up and down in tenths.  Understand that a tenth is the part derived from dividing a whole into 10 equal parts	Identify horizontal, vertical, perpendicular and parallel lines	Interpret and construct Carroll and Venn Diagrams
Y4	Recognise the place value in a 5 digit numbers.  Understand Place value to 2dp, including the context of money	Subtract numbers up to 2dp using an efficient method.	Recall multiplication and division facts up to $12 \times 12$ .	Count up and down in 100ths and know how a 100 <sup>th</sup> is derived (Apply to $\times 100 / \div 100$ place value)	Identify acute and obtuse angles  Compare and order angles	Interpret and present discrete data Interpret and present continuous data using line graphs
Y5	Recognise the place value in a 6/7 digit numbers  Understand the place value of numbers to 3 decimal places	Subtract numbers (including decimals to 3dp) using an efficient method	Use multiplication and division methods efficiently. (Short /long methods)	Recognise mixed numbers and improper fractions and convert them accordingly.	Measure and draw (acute, obtuse and reflex) angles with increasing accuracy	Understand and apply the concepts of Mode, Mean, Median and range
Y6	Applying the context of place value to problem solving	Application of <i>all four number operations</i> to solve 1 and 2 step problems  Use and apply mental and written strategies		Order fractions with different denominators and mixed numbers	Find missing angles where they meet at a point, on a straight line and are vertically opposite-  Use and Apply problem solving	Link the data within a Pie Chart to %, fractions and decimals  Make accurate interpretation of data