



## MATHS CURRICULUM OVERVIEW

### MATHS STATEMENT OF INTENT

The intention of the Maths curriculum at Our Lady's is that our children gain a love for maths and enjoy the wonderful opportunities they have to celebrate their mathematical knowledge and understanding. All children, from EYFS to Year 6 access levels of maths for their year group with every child taking part in mastery lessons with the intention of getting deeper into their knowledge and develop a greater understanding of mathematical concepts. This is instead of moving through each topic quickly. The whole class is taught mathematics together, with no differentiation by acceleration to new content. The learning needs of individual pupils are addressed through careful scaffolding, skilful questioning and appropriate intervention, in order to provide the necessary support and challenge.

Within these lessons children are active learners: actively exploring maths concepts using concrete, pictorial and abstract representation and structures. This enables the children to use their maths in contextual settings and is regularly linked to the wider world. To further this, we strive to build a child's resilience against maths problems allowing them to develop their vocabulary by reasoning in daily lessons. We have been able to approach and work with many other schools in a mastery setting which has helped us to develop the math curriculum we have in school. Our maths curriculum progresses through the knowledge and vocabulary in a coherent manner building on knowledge year on year.

#### RECEPTION

AUTUMN TERM	SPRING TERM	SUMMER TERM
Numbers to 5 Sorting 1 more Positioning – Spatial awareness 1 less 2D shape Comparing quantities Time – my day	Number bonds to 5 Numbers to 10 – numbers 6-10 Addition/Number bonds to 10 – number stories Subtraction to 10 Length / height Weight / volume Measure (distance & review) 3D shape	Doubling Place value to 20 Exploring patterns Counting on and back - Subtraction Halving & sharing / odds & evens – number stories Counting in 2s, 5s, 10s. Money Time

#### YEAR 1

AUTUMN TERM	SPRING TERM	SUMMER TERM
Place value to 10 Addition and subtraction to 10 Shape Place value to 20	Addition and Subtraction Place value to 50 Length and height Weight and Volume	Multiplication and division Fractions Position and direction Place value to 100 Money Time

#### YEAR 2

AUTUMN TERM	SPRING TERM	SUMMER TERM
Place Value Addition and Subtraction Money Multiplication and Division	Multiplication and Division Statistics Properties of Shape Fractions	Length and Height Position and Direction Time Mass, Capacity and Temperature

YEAR 3		
AUTUMN TERM	SPRING TERM	SUMMER TERM
Place Value Addition and Subtraction Multiplication and Division	Multiplication and Division Money Statistics Length and Perimeter Fractions	Fractions Properties of Shape Mass and Capacity
YEAR 4		
AUTUMN TERM	SPRING TERM	SUMMER TERM
Place value Addition and subtraction Measurement – length and perimeter Multiplication and division	Multiplication and division Area Fractions Decimals	Decimals Money Time Statistics Geometry
YEAR 5		
AUTUMN TERM	SPRING TERM	SUMMER TERM
Number and place value (numbers to 1,000,000) Calculation – addition and subtraction Calculation – Multiplication and Division Prime, square and cube numbers Calculation – word problems Statistics – Graphs	Multiplication and division Fractions, decimals and percentages Geometry – properties of shapes	Angles Shape Position, direction and movement Converting Units Area, perimeter and volume Roman numerals
YEAR 6		
AUTUMN TERM	SPRING TERM	SUMMER TERM
Number: Place Value Number: Addition, Subtraction, Multiplication and Division Number: Fractions Geometry: Position and Direction	Number: Decimals Number: Percentages Number: Algebra Measurement: Converting Units Measurement: Perimeter, Area and Volume Number: Ratio	Geometry: Properties of Shape Problem Solving Statistics