

Maths

| Intent | Implementation | Impact |
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| <p>At Our Lady's our intent for mathematics is to teach a rich, balanced and progressive curriculum using Maths to reason, problem solve and develop fluent conceptual understanding in each area.</p> <p>We inspire our children to be moral individuals who are capable of making positive choices through their skills in communication and co-operation leading them to be confident and competent problem solvers.</p> <p>We aspire for all children to reach their potential and develop a lifelong love of learning through engaging and challenging lessons</p> <p>We recognise that in order to achieve</p> | <p>The fundamental core of our maths teaching is structured on the elements of concrete, pictorial and abstract. Foundation Stage have developed their mastery approach, focusing on one number each week to encompass all things mathematical.</p> <p>Our curriculum allows children to better make sense of the world around them relating the pattern between mathematics and everyday life. Our policies, resources and scaffolds support our vision e.g. our calculation policy, White Rose Maths, NRich and NCETM Teaching for Mastery.</p> <p>The mapping of Mathematics across the school shows clear progression in line with age related expectations. Pupils are challenged and supported to extend their thinking in order to make connections in their learning.</p> | <p>Monitoring of books and lesson observations as well as discussions with pupils and parents will identify that all children are engaged and challenged within maths lessons.</p> <p>Assessing children against the Dimensions for Learning criteria through staff and pupil discussions. Regular low stakes quizzes and standardised diagnostic assessments.</p> <p>Regular updating of Target Tracker will inform which pupils are achieving their potential and which need to have targeted support and focussed input.</p> <p>Surveys sent home regularly to review and support current maths homework as well as sharing calculation strategies</p> |

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| <p>this at Our Lady's we have to overcome a number of barriers. These include delayed early language and fine motor skills development, low aspirations, high mobility, limited capacity to support at home as well as social and emotional behaviours not being conducive to collaborative learning.</p> | <p>We ensure that lessons have a practical element to them and that we model mathematical vocabulary in full sentences. Each lesson begins with a recap of previous learning to support retrieval strength and storage before moving on to developing the children's mathematical talk. Mathematics in our school is enhanced by our individual class working walls; as well as through weekly formative assessments.</p> | <p>and use of stem sentences. Big maths weekly assessments.</p> |
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| | Term One | Term Two | Term Three | Term Four | Term Five | Term Six |
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| Year One | Place value (within 10) Addition & Subtraction (within 10) Shape Place value (within 20) | | Addition & subtraction (within 20) Place value (within 50) Length & height Weight & volume | | Multiplication & division Fractions Position & direction Place value (within 100) Money & Time | |
| Year Two | Place Value Addition & subtraction Money Multiplication & division | | Multiplication & division Statistics Properties of shape Fractions | | Length & height Position & direction Consolidation & problem solving Time Mass, capacity & temperature | |
| Year Three | Place Value Addition & subtraction Multiplication & division | | Multiplication & division Time Length & perimeter Fractions | | Fractions Money and statistics Properties of shape Mass & capacity | |
| Year Four | Place Value Addition & subtraction Length & perimeter Multiplication & division | | Multiplication & division Area Fractions Decimals | | Decimals Money and Time Statistics Properties of shape Position & direction | |
| Year Five | Place Value Addition & subtraction Statistics Multiplication & division Perimeter & area | | Multiplication & division Fractions Decimals & percentages | | Decimals Properties of shape Position & direction Converting units Volume | |

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| Year Six | Place Value Addition & subtraction, multiplication & division Fractions Decimals and Percentages | Measurement Ratio Statistics Consolidation | SATS preparation Consolidation, investigations & preparations for KS3 |
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