

Trafalgar Junior School: Maths curriculum overview

Subject	Intent	Implementation	Impact
<p>Maths</p> <p><i>Skills:</i></p> <ul style="list-style-type: none"> • number • measurement • geometry • ratio and proportion • algebra • statistics 	<p>The curriculum will ensure children will be able to:</p> <ul style="list-style-type: none"> • become fluent in the fundamentals of mathematics so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately • reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language • solve problems by applying their mathematics to a variety of routine and nonroutine problems, including breaking down problems into a series of simpler steps and persevering in seeking solutions 	<p>Supported by: White Rose, National Centre for Excellence in Teaching of Mathematics (NCETM), Association of Teachers of Mathematics (ATM), Mathematical Association</p> <p>We use the White Rose scheme of work, supplemented with other material, to help us deliver and meet the objectives of the national curriculum. The knowledge and skills progression for maths is covered through White Rose.</p> <p>Lessons include:</p> <ul style="list-style-type: none"> • teaching of mathematical fluency, reasoning and problem solving at appropriate levels of challenge for all children to progress • exploration of learning using physical resources and through concrete, pictorial and abstract representations to secure understanding • regular review of key skills, including times tables (Times Tables Rock Stars) • differentiation and adaptation for all abilities <p>Timing:</p> <ul style="list-style-type: none"> • taught 5 times a week 	<p>Assessment includes:</p> <ul style="list-style-type: none"> • a topic check to gauge prior knowledge is given before teaching a new topic • on-going assessment during lessons and marking with teachers adapting planning as required • end of topic tests (Y3&4: White Rose, Y5&6: combination of White Rose and Testbase) are used to inform teachers' judgments • end of term tests (White Rose and Testbase) are used to inform teachers' judgments • half termly key skills challenges and Times Tables Rock Stars are used to check progress (includes a baseline test at the beginning of term and an end of half term check for progress) <p>Statutory tests:</p> <ul style="list-style-type: none"> • Year 4 – Multiplication Tables Check (MTC) in summer term: Times Tables Rock Stars to support • Year 6 – Maths SATs: Y5&6 carry out SATs-style papers to gain familiarity <p>Monitoring:</p> <ul style="list-style-type: none"> • internal data is scrutinised termly to monitor if children are on track • where individuals fall below expected levels of attainment, additional support is provided to accelerate progress