

Every Child a Leader - Every Chance taken - Every Day Counts  
Subject : **Maths**



Intent	Implementation	Impact
<p>At JEA our intent is to make maths an enjoyable and engaging learning experience. Children can then transfer the skills that they have learnt, practised and applied in their maths lessons to become independent, confident and competent with maths in all aspects of their future lives.</p> <p>Knowledge: We believe in the deliberate sequencing and progressive nature of knowledge to provide a maths curriculum that is accessible to all.</p> <p>Inclusivity: We recognise the varied life experiences of our pupils and ensure they are equipped to achieve the highest standards. Through our maths curriculum, JEA promotes the individuality of all our children, irrespective of ethnicity, attainment, age, disability, gender, or background- ensure access and progress for all. We focus on tolerance, diversity, and respect for each other.</p> <p>Enrichment - We offer students a well-rounded education that goes beyond traditional academics and contributes to their personal development. There will be many ways in which we push this at JEA such as: real-life mathematical problems, maths competitions and cross-curricular use of maths in other subjects (geometric patterns in art, timelines in history and in editing software, graphs for measurement in science) are but a few of the examples.</p> <p>Vocabulary: At JEA, vocabulary helps students to effectively communicate mathematical concepts and to think clearly. It promotes mathematical literacy and empowers children to talk about maths with confidence.</p>	<p>EYFS to Y6 are taught in accordance with the 2014 NC for maths:</p> <ul style="list-style-type: none"> <li>• our approach to maths is based on Concrete Pictorial Abstract (CPA) which we provide via high quality teaching, delivering appropriately challenging work for all individuals.</li> <li>• we follow the White Rose scheme of learning and Third Space is used to complement it.</li> <li>• Lessons may be personalised to address the individual needs to ensure inclusivity and requirements for a class but coverage is maintained.</li> <li>• mastery questions from White Rose, Third Space and NCETM further develop the children's fluency, reasoning and problem-solving</li> <li>• from year 2 upwards, we encourage all children to use Times Tables Rock Stars for multiplication practice, application and consolidation.</li> <li>• concrete mathematical resources are used in classrooms including Numicon, Base10 and counters moving onto using pictorial resources such as images and diagrams before moving onto abstract questions.</li> <li>• we develop mastery through a range of reasoning and problem solving questions which require the children to apply their knowledge in new and creative ways (including Early Years)</li> <li>• in KS2, maths homework is set to consolidate class learning.</li> </ul>	<p>Maths assessment is ongoing throughout every maths lesson and across the curriculum to help teachers with their planning, lesson activities, targeted pupil support and enable appropriate challenge to all children. Pupils are given feedback and next steps to respond to in order to personalise learning and provide them with opportunities to edit and improve their own work.</p> <p><b>The impact will be measured through:</b></p> <ul style="list-style-type: none"> <li>• book scrutiny - showing clear progression in the application of skills and knowledge, cross curricular links being made, correct use of vocabulary and appropriate differentiation.</li> <li>• lesson visits - demonstrating children's enthusiasm about and engagement with their learning.</li> <li>• pupil voice - evidence children's enthusiasm for the subject, aspirations for maths based career choices and children's abilities in recalling and applying their maths knowledge to a range of contexts.</li> <li>• learning environment - subject specific vocabulary and key concepts learned, as well as a celebration of the learning journey (where appropriate).</li> <li>• assessment data – Target Tracker to support the entry, analysis and sharing of pupil progress and attainment data through Early Years and Key Stages 1 and 2.</li> </ul>