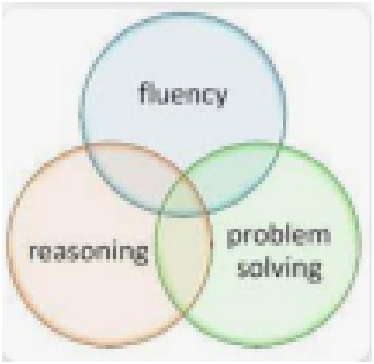
Subject at a glance: Maths

At Jolesfield Primary School, we aim for our children to become fluent in the fundamentals of mathematics so that they will be able to reason mathematically and solve problems through an application of knowledge in a range of real-life contexts. It is important to us that all our children develop a love of and feeling of success around mathematics and, as a result, secure a deep and sustained conceptual understanding of their learning

Intent - What we aim to deliver

Our aim is to create an environment that enables our children to thrive and evolve into well-rounded, high-achieving individuals in the field of mathematics. By offering them various opportunities, we hope to inspire and nurture their mathematical abilities, ensuring they have the foundation needed to excel in this subject.



To become fluent in the fundamentals of Maths, through varied and frequent practice so that children can recall and apply knowledge rapidly and accurately.

To solve problems by applying their knowledge to a variety of problem-solving strands e.g. logic, finding all possibilities, and spot the mistakes…

To reason mathematically by making generalisations, explaining why and proving it!

Implementation - How do we aim to deliver it?

*Our KS1 and KS2 mathematics curriculum is designed following the **National Curriculum for Mathematics**.*

In Key Stage 1, children will participate in four weekly Mastering Number sessions in addition to their regular mathematics classes. These specialised 15-minute sessions will concentrate on enhancing Number Sense, promoting Fluency, and fostering mathematical communication skills.

To enhance the children's learning experience, we incorporate high quality resources and hands-on manipulatives, including Dienes blocks, Rekenreks, counters, Numicon and counting beads. The children will be motivated to explore these resources independently through the use of the classroom's "Math Trays."

Daily morning SODAs (Start of the Day Activities) are designed to enhance mathematical fluency and arithmetic skills while also addressing any misconceptions students may have. These engaging exercises serve as a foundation for the day's learning, helping to reinforce essential concepts and promote a deeper understanding of mathematics.

Through the implementation of the school's Progression in Calculation policy, children at Jolesfield will engage in maths lessons using the Concrete, Pictorial, Abstract method. This strategy allows children to grasp mathematical concepts by initially working with tangible objects (concrete), then moving on to visual representations (pictorial), and finally progressing to abstract symbols and calculations.

Teachers design and prepare their lessons by adhering to the principles, objectives, and modules outlined by White Rose. Children will also engage with more hands-on aspects of mathematics through various subjects, including practical applications like cooking in Design Technology and measuring and data analysis in Science classes, among others.

Impact - How will we know we have delivered it?

Children enjoy a range of maths activities and challenges.	*Formative assessments identify children's progress towards a concept and catch-up interventions are implemented.*	*Children apply their Maths to other subjects e.g. DT, Science and use accurate mathematical vocabulary. At Jolesfield we believe it is important to see that 'Maths is Everywhere'*	*Children at Jolesfield will be encouraged to think about how the mathematics they are learning is useful now, but also how it is needed in their next stage of education.*