

Why is Maths important at Oasis Academy Putney?

Mathematics introduces pupils to concepts, skills and thinking strategies that are essential in everyday life and support learning across the curriculum. At Oasis Academy Putney, we strive to provide our pupils with rich opportunities that encourage them to; connect and represent Maths in different ways (conceptual understanding), explain, justify and prove Maths using mathematical language (language and communication) and explore mathematical concepts by sorting, comparing and pattern seeking (mathematical thinking). Problem solving is central to the mastery approach. Pupils share a sense of wonder and become empowered when they take on new and unfamiliar challenges.

“In mathematics, you know you’ve mastered something when you can apply it to a totally new problem in an unfamiliar situation.”
- Dr. Helen Drury (Founder of Mathematics Mastery)

How is Maths taught at Oasis Academy Putney?

At Oasis Academy Putney, we work in partnership with Mathematics Mastery, an organisation that provides us with collaboration, professional development and specialist training. Teachers use and adapt high quality planning guidance and lesson materials to deliver exceptional Maths teaching and learning. The curriculum is cumulative and is designed to meet the requirements of the national curriculum. Children learn and connect concepts throughout the year, providing them with the opportunity to ‘master Maths’.

Like Mathematics Mastery, our mission is to ensure that every child enjoys and succeeds in Maths. This means that we cover fewer topics in greater depth and we strive to achieve mastery for all. To do this we establish pupil’s number sense and understanding of place value and ensure that problem solving remains an integral part of their Maths learning.

What is our vision for Maths at Oasis Academy Putney?

At Oasis Academy Putney, we believe that all children should have the opportunity to ‘master’ Maths.

We aim for all pupils to:

- become **fluent** in the fundamentals of mathematics so that they develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- be able to **solve problems** by applying their mathematics to a variety of problems with increasing sophistication.
- **reason mathematically** by following a line of enquiry and developing a justification, argument or proof using mathematical language.
- have an appreciation of number and number operations, which enables mental calculations and written procedures to be performed efficiently, fluently and accurately.

What do children think about Maths at Oasis Academy Putney?

“I like counting numbers and it helps me to learn 1 more and less.”

Reception child

“I really enjoy learning how to tell the time.”

Year 1 child

“What I love about Maths are the challenges we are set. They are hard but really fun to do!”

Year 2 child

“Maths is really fun! I like thinking about making different equations and enjoy how I can challenge myself.”

Year 3 child

“I like our Maths lessons because I love to learn how to add, take away, times and divide.”

Year 4 child