Curriculum Intent for Maths

- a curriculum that is ambitious for all pupils;
- a curriculum that is coherently planned and sequenced;
- a curriculum that is successfully adapted, designed and developed for pupils with special educational needs and/or disabilities:
- a curriculum that is broad and balanced for all pupils.

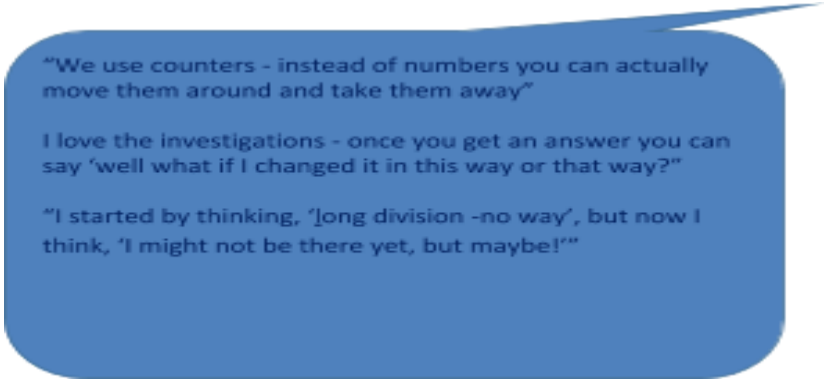
What does Maths look like at West Ashtead?

Mathematical understanding and learning is supported by concrete resources and pictorial support so that a deeper conceptual understanding is gained. At West Ashtead, teachers design a series of lessons in small steps through which children are set appropriate learning challenges. This means that all children can experience success in a supportive environment and teachers reinforce a 'growth mindset' with the children: the expectation that everyone can improve and make progress in maths.

The large majority of children progress through the curriculum content appropriate to their age-related expectations at the same pace. Differentiation is achieved by emphasising deep knowledge and through individual support and intervention. Lessons are child focused and maths is kept fun and current in school so that all children can enjoy maths.

Our curriculum, policies, resources and schemes support our vision e.g. our calculations policy, White Rose Maths, NCETM, Power of Maths scheme and involvement with Third Space Learning

What do our children say about Maths?



Why is Maths important?

At West Ashtead Primary School we recognise that Mathematics is essential to everyday life, financial literacy and most forms of employment; that skills taught in a mathematical context can underpin a child's overall effectiveness as a learner; and that Mathematical knowledge and skills are critical to science, technology and engineering.

We provide a curriculum and learning environment in which our children:

Can acquire the maths understanding that will help them as future citizens such as financial literacy, other life skills and future employability
Can acquire the transferable skills that will help them as future learners such as a growth mindset, positive self-esteem, problem solving, reasoning and resilience, working independently; working cooperatively
Can acquire a level of mathematical fluency that meets or exceeds the Government's age-related expectations
Can apply mathematical knowledge and skills in contexts to solve problems and support their understanding with reasoning and mathematical vocabulary

How do we enrich our children's understanding of Maths?

Enriching maths means bringing the subject to life. At West Ashtead, we give consideration to the contexts in which maths concepts are introduced and practised. We believe that children learn better when they are curious, resourceful, resilient and collaborative.
Practical tasks are used to engage and motivate. The children are supported to become confident and resilient mathematicians through the use of talk-rich and open tasks. They are encouraged to explore mathematical concepts and make connections between them.

All learners are given the opportunity for enrichment, through which the relevance of mathematics to the modern world is revealed, breadth of experience and depth of understanding are provided, and enthusiasm, or even wonder, is engendered.

Some students will be able to engage in enrichment at a deeper level, and a larger group should be challenged to do so, so that unexpected and previously unidentified abilities may emerge. Enrichment is appropriate for all mathematics learners.

Opportunities for using mathematical learning in cross curricular ways are actively sought and can be seen through the teaching in Science, History, Geography, Art and DT, Computing, PE and Music and through both classwork and homework activities.

The use of online learning platforms extend the children's mathematical opportunities and interests and these link to pastoral and behavioural endeavours in the school for example as the children represent their class or house to earn points through completing times tables games.