

Maths *on a Page*

Intent: How Maths contributes to our school's vision



At Lady Boswell's, the Maths Curriculum provides a unique opportunity to contribute to the school's vision and achieve our 'seven gifts'. Our Maths curriculum encourages pupils to **strive for academic excellence**, equipping them with the knowledge they need for their future. A secure understanding of mathematics is essential to everyday life, critical to science, technology and engineering and necessary for financial literacy and most forms of employment. Our high-quality mathematics curriculum therefore provides the foundations for understanding the world, the ability to reason mathematically, an appreciation of the beauty and power of mathematics and a sense of enjoyment and **curiosity** about the subject. Through the teaching of mathematics, Lady Boswell's pupils are able to become **confident problem solvers** who are **resilient** and **resourceful** when faced with problems. Pupils are encouraged to use their fluency, reasoning and problem-solving skills effectively to solve challenging mathematical questions and develop knowledge of complex mathematical concepts that will in turn equip them for their futures.



Number

Measurement

Geometry

Statistics

Ratio and proportion

Algebra

Implementation: How the curriculum is organised



At Lady Boswell's, we follow the **National Curriculum** and use **Power Maths with White Rose** as a scheme for the teaching of mathematics across the school. **Power Maths** follows a mastery approach to support pupils with the development of key mathematical concepts. Knowledge is organised into units for each year group and this knowledge is built on each year. Teachers across the school follow the **Power Maths with White Rose** progression to ensure key facts are taught at appropriate ages and stages for pupils. **Knowledge Organisers** that summarise key learning are shared with pupils and parents.

EYFS

Our Maths curriculum builds upon the foundations of the EYFS. Children will enter Year 1 having developed an understanding of numbers to 10, including the composition of each number. They will automatically recall number bonds up to 5 and some bonds to 10. In Year 1, pupils will also build upon their knowledge from EYFS of counting to 20 and beyond and recognising patterns of the counting system.

Vocabulary

Vocabulary is carefully sequenced for each unit so that it is progressive as pupils move up the school. Some vocabulary will be encountered more than once. Vocabulary is introduced to pupils at the beginning of each unit and is included in **Knowledge Organisers**.

Including all learners

At Lady Boswell's we believe that *all* pupils should have equal opportunity to access every subject. Lessons follow a concrete, pictorial, abstract approach to support pupils in their mathematical understanding. Our scheme follows an 'I do, we do, you do' approach which ensures that pupils are appropriately supported and scaffolded to understand mathematical concepts.

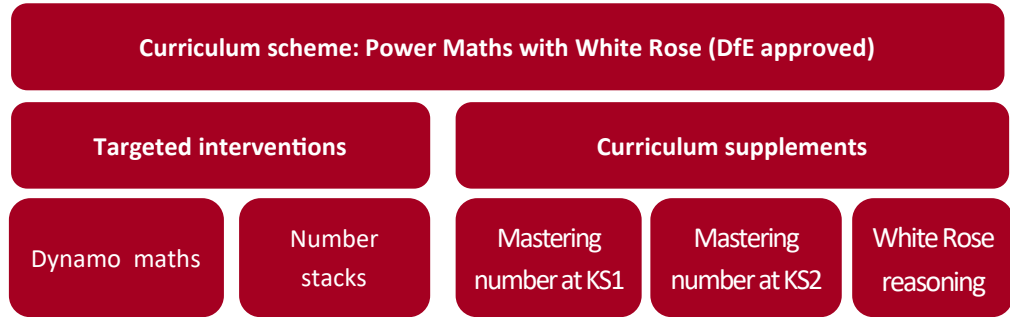
Teachers are responsible for ensuring all pupils are supported and challenged in Maths. We are a Maths Hub Sustaining School and the Mastery approach taken at Lady Boswell's ensures that pupils acquire a deep, long-term and adaptable understanding of mathematics.

Subject Leaders are responsible for monitoring the inclusion of pupils with additional needs and high interest or skill and will work with teachers and our SENCO to make the necessary adjustments to the curriculum.





At Lady Boswell's, we are supported by our local Maths Hub to enrich our curriculum offer.



Ensuring Impact in Maths

The Maths Subject Leader will work alongside Implementation Team Leaders to ensure that the Maths Curriculum is implemented in line with the policy and continues to meet the needs of our stakeholders. This will be through pupil voice activities, book looks, monitoring of planning, lesson visits and developmental observations. They will work with Curriculum Committee Governors to carefully review Maths and its impact. The **Maths Policy** details how this subject progresses across the school. The policy is used by teachers to ensure concepts are taught at an appropriate age and stage.



Enrichment and Cultural Capital

At Lady Boswell's, we have an annual Science, Technology, Engineering and Maths week (STEM week). Pupils have the opportunity to collaborate with their peers on a range of hands-on activities involving maths. Visits from parents whose work involves maths help inspire pupils with possible career prospects.

We frequently participate in the NSPCC number day where the profile of maths is raised across the school.

KS2 pupils participate in Times Table Rockstars as part of their weekly homework. Their efforts in learning times tables are recognised in celebration worship on a Friday.

Assessment

Teacher assessment is continuous throughout lessons. Live marking ensures that misconceptions are picked up and acted upon quickly. Summative data is gathered at three assessment cycles across the year. Pupils in EFYS are assessed against the Early Learning Goals. Pupils in KS1 are assessed through teacher judgement and Year 2 pupils will complete an end of Key Stage 1 SATs assessment. In KS2, pupils are assessed through teacher judgement and NFER papers during the assessment cycles. Pupils in Year 6 will complete an end of Key Stage 2 SATs assessment.

Impact of the curriculum

