

MATHS AT WINFORD PRIMARY SCHOOL

White Rose teaching sequence and Flashback 4 retrieval activities.

At Winford Primary School we follow the White Rose teaching sequence for mathematics. This offers children a clear, progressive teaching sequence where new learning builds upon prior learning and allows children to develop a depth of understanding in the subject.

[Link to White Rose schemes of learning](#)

<https://whiterosemaths.com/resources?year=year-1-new#filters>

We chose White Rose as all White Rose Maths materials and training are created by our own specialist maths teachers, and they continually develop them in response to national requirements and the many schools, parents, carers and pupils who use them.

In addition to the White Rose teaching sequence we also implement the Flashback 4 activities several times a week as Early Morning Learning tasks. These are specially designed retrieval activities created to challenge pupils to recall prior learning and fully embed it so that all children have strong recall of maths facts and knowledge, allowing them to focus on new learning and making links in lessons.

<https://whiterosemaths.com/>

Power Maths teaching scheme (Years 1-6)

We deliver our day to day maths teaching through the Power Maths scheme due to the close alignment they have with the White Rose teaching sequence and the focus on mastery within mathematics.

Power Maths is a UK curriculum mastery programme designed to spark curiosity and excitement and nurture confidence in maths.

- The only mastery programme perfectly aligned to the White Rose Maths progressions and schemes of learning.
- Written specifically for UK curriculum classrooms by leading mastery experts from around the world and recommended by the UK's Department for Education.
- An enriched approach that cleverly combines interactive teaching tools, rich and quality textbooks and practice books.
- A continuous and embedded approach to teacher support and professional development throughout.
- Built around a child-centred lesson design that models and embeds a growth mindset approach to maths and focuses on helping all children to build a deep understanding of maths concepts.
- Half-termly and end of year tests to reliably track your children's progress against Age Related Expectations.

<https://www.pearsonschoolsandcolleges.co.uk/primary/subjects/mathematics/power-maths>

Mastering Number and White Rose (EYFS/Early Y1)

Our EYFS and early Year 1 maths curriculum is delivered through a combination of the outstanding Mastering Number teaching scheme and supplemented with teaching and learning from White Rose.

By using Mastering Number and White Rose in EYFS and in early Year 1, we are providing children with a deeper understanding of early number and mathematics and building strong foundations for the mastery approach to maths which is delivered in the latter parts of Year 1 and until children leave school in Year 6.

Arithmetic and fluency sessions

During their time at Winford Primary School children will learn many different strategies and written methods of calculation for solving maths problems. We encourage children to work on their fluency and decision making skills during short arithmetic sessions. The aim of arithmetic sessions is to provide children with an opportunity to practise their calculation strategies and written methods using all four functions (addition, subtraction, multiplication and division), in order to build on their fluency, understanding and retainment of prior learning.

Multiplication and times tables

We understand that secure times table knowledge can underpin many different aspects of the maths curriculum and children's self-confidence in the subject. Therefore, times tables are considered vitally important to the progress and attainment of children at Winford Primary School.

Teaching of times tables

Each class teacher will introduce new times tables at age appropriate levels and deliver teaching sessions in class to help children familiarise themselves with the new facts, patterns and understanding required to develop quick recall of the respective multiplication and division facts.

Independent learning opportunities

We subscribe to the popular **Times Table Rock Stars** online program which uses an algorithm to deliver tailor-made and individual learning journeys for every child in school as they begin to learn their times tables.

Children can access the program at home and learn independently, work on their speed and challenge themselves or others in fun online game situations. The Times Table Rock Stars program will constantly adjust as the children become more confident and able learners and consistently challenge them to improve their speed and recall of times table facts.

Through the consistent use of the program we have seen rapid and secure improvement in the children's recall of times table facts and also their ability to use mental and written methods of calculation to solve maths problems in classwork.

Maths assessment at Winford

As a school we implement timely and effective formal and informal assessment and monitoring of pupils to ensure gaps are addressed and further opportunities to both support the less able and develop greater depth mathematicians are realised. These assessments include twice yearly NFER/White Rose/Power Maths formal assessments, weekly multiplication clubs and in Year 4, the MTC (Multiplication Check).

Teachers assess the attainment and progress of pupils through the Year Group specific KPIs (Key Performance Indicators) which are updated at key points throughout the year.

Senior leaders support and monitor staff to ensure teaching is consistent, high quality and the mastery approach is utilised across the entire school.