Year 7 – Mathematics

WRM – (V3)



Curriculum Overview

In Year 7, students build on their primary school learning, developing confidence, fluency and problem-solving skills. Following the White Rose Maths Foundation pathway, they strengthen their understanding of key mathematical concepts through carefully sequenced lessons that prepare them for future study.

What Students Will Learn

Autumn Term – Number and Algebra

Students explore sequences and algebra, including expressions, substitution and equations. They also develop their number skills through place value, rounding and the four operations.

Spring Term – Fractions, Percentages and Data

Students work with fractions, decimals, percentages and negative numbers. They interpret graphs and charts, calculate averages and develop their understanding of perimeter and area.

Summer Term – Ratio, Number and Geometry

Students explore ratio, proportion, speed, distance and time. They also study factors, multiples, prime numbers, fraction calculations, angles and properties of polygons.

Assessment and Retrieval of Learning

Students complete regular assessments that revisit previously taught topics after learning a new unit. This *delayed retrieval* approach supports long-term understanding and helps teachers identify areas requiring further support.

Students also complete assessments at the end of the Autumn, Spring and Summer terms, covering current and previously taught content to monitor progress and consolidate learning.

How Parents and Carers Can Support Learning

Parents and carers can support learning by showing an interest, offering encouragement and helping establish positive study habits. Specialist mathematical knowledge is not required.

- **Autumn Term:** Practise times tables and everyday calculations, and encourage your child to explain their learning.
- **Spring Term:** Explore prices, change, percentages and graphs through everyday activities.
- **Summer Term:** Use cooking, journey planning and familiar shapes to explore measurement, time and geometry.

Supporting Learning Throughout the Year: Encourage regular homework, revision of previously taught topics and discussion of assessment feedback. Recognising effort and progress helps students develop confidence, independence and a positive attitude towards Mathematics.