Year 11 – Mathematics (F&H)

WRM – (V3)

Foundation



Higher



Curriculum Overview

In Year 11, students build on their learning from Year 10 and prepare for their GCSE Mathematics examinations. Following the White Rose Maths scheme, Foundation and Higher students study a similar sequence of topics, with lessons suited to the requirements of each tier. The focus is on strengthening mathematical understanding, developing confidence and preparing students to apply their knowledge successfully in examinations.

What Students Will Learn

Autumn Term – Number, Algebra and Geometry

Students study ratio and proportion, area and volume, similarity and congruence, sequences, standard form and probability. They also explore circles, with Foundation students focusing on calculations involving circles and Higher students studying circle theorems and vectors.

Spring Term – Algebra, Graphs and Geometry

Students develop their understanding of functions and graphs, equations and formulae, and rates of change. They also study angles, bearings, trigonometry, constructions, loci and transformations, applying their knowledge to GCSE-style questions.

Summer Term – GCSE Revision and Examinations

Students revisit key topics from Years 10 and 11, focusing on areas identified through assessments. They practise past papers and examination techniques to prepare for their final GCSE Mathematics examinations.

Assessment and Retrieval of Learning

Students complete assessments approximately one week after finishing each chapter. This allows teachers to identify and address misunderstandings promptly and support students in improving their understanding.

Regular assessments also revisit previously taught topics to help students retain knowledge and prepare for examinations.

GCSE Examination Preparation

Throughout Year 11, students practise **GCSE Foundation or Higher examination papers**, including both calculator and non-calculator papers. This helps them become familiar with examination questions, manage their time effectively and present their mathematical working clearly.

How Parents and Carers Can Support Learning

Parents and carers can continue to support their child's progress by encouraging regular revision, discussing their learning and recognising their efforts. Specialist mathematical knowledge is not needed to provide valuable support.

- **Autumn Term:** Encourage your child to review earlier topics and practise applying their knowledge to different questions.
- **Spring Term:** Support regular revision and practice with GCSE-style questions, particularly in areas highlighted by assessment feedback.
- **Summer Term:** Help your child maintain a manageable revision timetable and practise calculator and non-calculator papers.

Supporting Learning Throughout the Year: The positive learning habits developed in previous years remain important during Year 11. Encouraging consistent revision, discussing assessment feedback and recognising progress can help students develop confidence and approach their GCSE examinations feeling prepared.