

Maths @ WBS Year 9 Roadmap

Subject Aim: To navigate the transition from Key Stage 3 to GCSE Mathematics. Students will begin to gain familiarity with GCSE style exam questions and develop their problem-solving skills.

TTP Summer Term		Curriculum and Assessment		
INTRO TO STATISTICS		Our Scheme of Learning is split into two parts: Foundation and Higher. A third strand called Intermediate consists of the more accessible parts of the higher tier. Your teachers will start with the more accessible parts of the Foundation content and stretch your group as far as they can in the time available. The more challenging parts of each tier are marked by a star in our Scheme of Learning. You will have regular assessments, covering several units, building up your experience with cumulative exams and well as encouraging your retrieval of previously studied topics.		
• Representing Data				
• Averages & Range				
CALCULATION METHODS				
• 4 Operations with Fractions & Decimals				
• Percentages				
LINEAR GRAPHS				
• Coordinates				
• $y=mx+c$				
TRANSFORMATIONS				
• Translating, Reflecting, Rotating & Enlarging Shapes				
• Describing Transformations				
RATIO & PROPORTION				
• Sharing in a Ratio				
• Special Offers & Best Buy Problems				
ANGLES & POLYGONS				
• Interior & Exterior Angles				
• Similar Shapes & Tessellations				
PYTHAGORAS & TRIGONOMETRY				
• Pythagoras' Theorem				
• Right Angled Trigonometry				
PROBABILITY				
• Experimental Probability				
• Theoretical Probability				
• Combinatorics				
MAPS & CONSTRUCTIONS				
• Basic constructions				
• Plans & Elevations				
• Map Scales & Bearings				
Where Next?				
Year 10 is the real beginning of GCSE Mathematics. New topics include 3D Volumes and Surface Area, Vectors and Advanced Trigonometry.		Foundation		
		Intermediate		
		Higher		
		Aimed at building confidence with problem solving questions and developing security with the more challenging KS3 content.		
		Bridging the gap between the two GCSE tiers, studying the more accessible part of the Higher GCSE content to push students towards their potential.		
		Taking all opportunities to stretch students by developing clarity of thought and risk-taking in their mathematical approaches.		
		Homework and Revision		
		Homework is set and completed on Dr Frost. You will have a feedback task in lesson based on how your class did before your next assessment. Our Scheme of Learning is on Dr Frost to help you revise.		
		Prior knowledge checks, progress checks and test reviews will help you identify your strengths and work on the areas you find more challenging. Retrieval starters give you regular opportunities to recall topics previously learnt.		
		Enrichment		
		In year 9 enrichment forms a central part of the WBS maths curriculum, starting with the "average student" at the start of the year.		
		Students who wish to further develop their Maths understanding are encouraged to attend Problem Solving Club.		