

Maths @ WBS Year 10 Roadmap

Subject Aim: To develop confidence with the wide breadth of topics within GCSE Mathematics. A more dedicated focus on GCSE exam questions. Students begin to develop understanding of key links between different areas of mathematics.

TTP		Curriculum and Assessment		
Summer	INDICES, SURDS & DECIMALS	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.		
	• Calculating with Indices • Using and Understanding Surds			
Autumn Term	EXPRESSIONS, IDENTITIES & PROOF			
	• Simplifying Expressions • Quadratics			
	PRIMES, BOUNDS & NUMBER THEORY			
	• HCF/LCM • Working with Bounds			
Spring Term	EQUATIONS, FORMULAE & SEQUENCES			
	• Nth Term • Simultaneous Equations			
	RATIO, FRACTIONS, %, PROPORTION			
	• Compound Interest • Understanding Proportion			
	ANGLES & CIRCLES			
	• Interior & Exterior Angles • Circle Theorems			
	STATS & PROBABILITY			
	• Frequency Tables • Calculating Probabilities • Correlation			
	COORDINATE GEOMETRY			
	• Parallel and Perpendicular Lines • Linear Graph Equations • Gradient & y-intercept			
Summer Term	QUADRATIC GRAPHS & EQUATIONS			
	• Plotting Quadratic Graphs • Solving Quadratics			
	FURTHER TRIGONOMETRY			
	• Pythagoras in Context • Trigonometry in Context • 3D Pythagoras			
Where Next?				
In Year 11, achievement in GCSE Mathematics becomes the core focus. Some challenging final topics are introduced such as Functions, Conditional Probability and Vectors. Additional Intervention is utilised to drive students towards their true potential in the subject.				
		In Year 10, enrichment opportunities include the Intermediate Maths Challenge, which takes place in the Spring Term. Students are encouraged to further develop a passion for the subject by attending Problem Solving Club, or our weekly GCSE drop in on Mondays after school.		