



Year 7 Maths

Subject Overview	Year 7 Maths focuses on bridging the gap between primary and secondary school by consolidating core number skills (working with negative numbers, fractions, decimals, and percentages in more depth) and introducing the fundamental concepts of Algebra and Geometry. Students will practice essential skills such as problem-solving, reasoning, and clearly communicating their mathematical thought processes. This year is crucial for building the foundational knowledge and critical thinking skills needed for success in all future maths courses and science subjects.	
Curriculum Intent & Skills		
Autumn 1	Number sense and calculations Negative numbers Order of operations	Students will learn to: AO1 - Use and apply standard techniques AO2 - Reason, interpret and communicate mathematically AO3 - Solve problems within mathematics
Autumn 2	Expressions Equations Time Measure	
Spring 1	2D Shapes Perimeter and Area Coordinates	
Spring 2	Factors, multiples and primes Fractions Single brackets	
Summer 1	Angles Handling data Statistical diagrams	
Summer 2	Proportion Fractions, decimals and percentages Probability	

Additional Information		
Assessment	Progress checks after every topic (every 2-3 weeks)/Autumn summative assessment/Spring summative assessment/End of year assessment	
Inclusion	Our well sequenced curriculum is adequately ambitious for all. Mathematical knowledge is presented in small, sequenced steps to ensure concepts build cumulatively. We work hard to remove barriers to learning in advance through our planning. Our use of adaptive teaching allows us to respond to students' needs; addressing and correcting misconceptions quickly.	
Homework Structure	Homework is set on a weekly basis on Sparx Maths based on skills taught during the unit. Students are notified and reminded on google classroom weekly.	
Online resources	https://sparxmaths.com/	Videos and questions for every topic - login with Google (school account)
	https://corbettmaths.com/	Videos and worksheets for all topics
Extra Reading	The Number Devil by Hans Magnus Enzensberger	