Subject: Mathematics Year 9							
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
What are we studying? (Big idea/question(s))							
Form equaInequRe-ar	ght line graphs ning and solving ations ualities rranging formulae ing conjectures	 Three dimensional shapes Plans and elevations Surface area and volume Constructions and congruency Angle and line bisectors 	 Fractions, decimals and percentages Standard form Directed numbers Reverse percentages Repeated percentage change Maths and money 	 Deduction Reflection Rotation Translation Pythagoras' Theorem 	 Enlargement Similarity Ratio Direct and inverse proportion Best buys 	 Probability Tree diagrams Conditional probability Relative frequency Quadratic graphs Represent inequalities 	
Why are we studying this? (skills, purpose or progression)							
knowled understa	lop fluent dge, skills and anding of natical methods and s.	To acquire, select and apply mathematical techniques to solve problems.	To be able to manipulate numbers. To develop fluent knowledge, skills and understanding of mathematical methods and concepts.	To reason mathematically, make deductions and inferences, and draw conclusions.	To comprehend, interpret and communicate mathematical information in a variety of forms appropriate to the information and context.	To reason mathematically, make deductions and inferences, and draw conclusions.	

How will this be assessed?

We assess pupils regularly through the work produced in lessons. At the end of a block of teaching, pupils will complete a small assessment to check understanding. Pupils will complete a RAG analysis, highlighting strengths and areas that need more time. This will then feed into future lessons and what we set for homework. Pupils will complete a midyear examination after the first term and an end-of-year examination during the Summer 2 half term.

RWCM	Reading the question carefully and underlining key words and important information. Deciphering a block of text to decide what mathematics to use.
Extra-curricular experiences	Junior Maths Challenge – a national competition run by the University of Leeds.
Careers Links	Financial careers (eg. Accountancy and banking), engineering, ICT roles, statistician, economist,
Independent Learning	Sparx Maths will be set weekly on consolidation and areas that have been highlighted from our assessments. These will be completed online (www.sparxmaths.uk) and the students will make notes in their homework books.
Essential Equipment	Basic school equipment (pen, pencil, ruler, eraser, green pen) and a scientific calculator.