

	Half term 1	Half term 2	Half term 3	Half term 4	Half term 5	Half term 6
Key focus	Sequences Algebraic Notation Equality and equivalence	Place value & Ordering, Fraction, decimal, percentage equivalence	Problem solving with four operations Fractions and percent of amounts	Directed numbers Addition and subtraction of fractions	Construction Geometric Reasoning	Develop number sense Probability Prime numbers and proof
Key knowledge and skills	Describe, continue and use sequences Use and manipulate algebraic notation Understand equality Solve simple equations	Write, order and compare numbers to 1 billion Convert between fractions, decimals, percent	Solve problems with money, timetables, etc. Using addition Solve problems with area, etc using multiplication and division	Perform operations across zero and with directed numbers Add and subtract fractions	Constructing angles and shapes Understand and use angle properties	Understand the basics of probability Understand and use number properties
Key words/ vocabulary	Linear Geometric Sequence Pattern Numerical Pictorial Expression Term Equation Function Substitute Input Output Terms Like Unlike Simplify Solve	Integer Place value Order Compare Larger Smaller Position Range Median Interval Fraction Decimal Percent Tenth Hundredth Quarter Division	Strategy Formal Appropriate Mental Solve Addition Subtraction Sum Difference Frequency Calculate Multiply Divide Product Integer Decimal	Directed numbers Positive Negative Zero Addition Subtraction Multiplication Division Evaluate Operations Fraction Proper Improper Numerator Denominator	Construct Draw Angle Acute Obtuse Reflex Compass Bisect Polygons Parallel lines Perpendicular	Sets Venn diagram Union Intersect Overlap Complement Probability Chance Likelihood Outcome Factor Multiple Prime Test Conjecture
Assessment method	Topic summaries Formative assessment Summative assessment points	Topic summaries Formative assessment	Topic summaries Formative assessment Summative assessment points	Topic summaries Formative assessment	Topic summaries Formative assessment	Topic summaries Formative assessment Summative assessment points

Curriculum Map – Maths – Year 7



Wider links		History/geography- Percentages in populations	Childcare- budgeting	History- timelines	Art- Kandinsky drawings	Geography- chance, prediction
Enrichment opportunities	Nrich maths problems solving Suggested reading: Who invented the zero Independent work - Sparx club	Nrich maths problems Christmas statistics project Independent work - Sparx club	Nrich maths problems Suggested reading: A brief history of Algebra Independent work - Sparx club	Nrich maths problems Independent work - Sparx club	Nrich maths problems Junior Maths Challenge Independent work - Sparx club	Nrich maths problems Independent work - Sparx club
Careers links	Town planners	Statistician	Accountant	Bank worker	Architect	Weather forecaster