Key Stage Three Curriculum - Kesteven and Sleaford High School

Mathematics

	Autumn 1	Autumn 2	Spring 3	Spring 4	Summer 5	Summer 6
Year 7	Code Breaking Calculations with integers, directed numbers & decimals Polygons and symmetry Perimeter and Area (not circles)	Algebra basics Factors, multiples & prime numbers Fractions basics Probability Maths in the World	Unit conversion BIDMAS Rounding Powers and roots Circles Balance equations	Coordinates & drawing straight line graphs Sequences Angles: drawing & measuring	Fractions, decimals and % Averages and statistical diagrams Proportion	Construction Powers and roots Graphs from equations Pythagoras' theorem basics
	Assessment Each term will have a topic test, with an additional topic test in term 2. There will be annual tests covering a wider range of topics in term 5.					
Year 8	Primes, Factors and Multiples Expressions and identities Construction Graphs from equations Area and perimeter including circles	Straight line graphs Proportion Operations with fractions Averages – frequency tables	Angle facts Bearings Drawing and interpreting statistical graphs % increase and decrease	Constructions Forming and solving equations Circles Scale diagrams, plans and nets	Missing angles in polygons Pythagoras' theorem Ratio Sequences	Volume Probability Congruency Transformations
	Assessment Each term will have a topic test, with an additional topic test in term 2. There will be annual tests covering a wider range of topics in term 5.					
Year 9	Expanding and factorising Solving linear and quadratic equations Transformations Area and perimeter including circles	% increase, decrease, repeated % change Probability & Venn diagrams Polygons; exterior and interior angles Compound measures	Standard form Changing the subject of a formula Pythagoras' theorem (3D) and trigonometry	Parallel and perpendicular lines Recurring decimals to fractions Questionnaires & statistical charts Constructing angles and triangles	Sequences: arithmetic and quadratic Volume and surface area Compound interest Inequalities	GCSE skills preparation: Circle theorems Surds Ratio Transformations
	Assessment Each term will have a topic test, with an additional topic test in term 2. There will be annual tests covering a wider range of topics in term 4.					