MATHEMATICS

Curriculum Intent	The Maths department at Salford City Academy aims to equip their students with the numeracy, problem solving and analytical skills to thrive in the next stage of their lives; whether that be further qualifications, higher education or the workplace
KS3 Curriculum	The curriculum aims to develop their mathematical knowledge, in part through solving problems and evaluating the outcomes, including multi-step problems
KS4 Curriculum	The curriculum aims to develop their mathematical knowledge, in part through solving problems and evaluating the outcomes, including multi-step problems

Year Group		HT1	HT2	HT3	HT4	HT5	HT6
7	Content	1. Place value and number sense 2. Addition and Subtraction 3. Perimeter 4. Rounding and Estimation	5. Multiplication and Division 6. Factors and Multiples 7. Area of rectangles and triangles and parallelogram	1. Fractions as part of a whole 2. Fractions as a value 3. Fractions as an operation	4. Order of operations 5. Basic rules of algebra 6. Expand and factorise 7. Substitution	8. Angles 9. Polygons 10. Symmetry and reflection 11. Coordinates	12. Mean 13. Two way table and Venn diagrams
8	Content	1. Indices 2. Prime factorisation 3. Rounding 4. Fractions 5. Negative number review	6. Linear equations 7. Coordinates and basic graphs	1. Units of measurement 2. Angles 3. Circumference	4. Proportional reasoning 5. Fractions, decimals and percentages 6. Ratio	7. Area of composite shapes 8. Presenting and interpreting data 9. Averages	10. Two way tables 11. 3-D visualisation 12. Volume
9	Content	1. Place value and Number properties 2. Decimals 3. Rounding and Estimation 4. Indices powers and roots	7. FDP 8. Fractions 9. Percentages 10. Proportion	1. Notation 2. Simplifying and Index laws 3. Expanding and Factorising 4. Expressions and Substitution	5. Linear equations 6. Linear inequalities 7. Perimeter and Area 8. Pythagoras	1. Properties of shapes 2. Angle facts 3. Parallel lines 4. Circles 5. Volume and surface area	6. Sequences 7. Basic vectors 8. Presenting and interpreting data 9. Averages 10. Two waytables

		5. Factors, Multiples and primes 6. Ratio (basic)					
10	Content	**Foundation** 1. Perimeter & Area 2. Pythagoras 3. Properties of shapes 4. Angles facts **Higher** 1. Perimeter & Area 2. Pythagoras 3. Angle fact/ parallel lines 4. Circles 5. Volume and SA 6. Sequences 7. Basic Vector 8. Rearrange formulae	**Foundation** 5. Circles 6. Volume & SA 7. Sequences 8. Basic Vectors 9. Re-arrange formulae **Higher** 10. Linear graphs 11. Y=mx+c 12. Compound measures 13. Quadratic graphs, TP and roots 14. Linear simultaneous equations 15. Further graphs	**Foundation** 1. Linear graphs 2. Y=mx+c 3. Compound measures 4. Quadratic graphs, TP and roots 5. Linear simultaneous equations 6. Further graphs **Higher** 1. Probability 2. Capture and Recapture 3. Standard form 4. Proportion (further)	**Foundation** 1. Probability 2. Standard form 3. Simple interest **Higher** 5. Surds 6. Recurring decimals 7. Bounds 8. Growth and Decay	**Foundation** 1. Statistics **Higher** 1. Statistics 2. Simple interest 3. Ratio (further)	**Foundation** 1. Plans and elevations 2. Constructions and Loci **Higher** 4. Plans and elevation 5. Constructions and loci 6. Similar shapes
11	Content	**Foundation** 1. Pythagoras 2. Right angled Trigonometry 3. Bearings and Scale drawings **Higher** 1. Algebraic proof 2. Solving quadratics and further simultaneous equations 3. Functions 4. Iteration 5. Quadratic inequalities	**Foundation** 4. Algebra review **Higher** 6. Bearings 7. Circle theorems 8. Further trigonometry and trigonometric graphs	**Foundation** 1. Transformations 2. Congruence 3. Vectors 4. Similar shapes **Higher** 1. Statistics (further) 2. Transformations 3. Congruence 4. Vectors	**Foundation** 5. Number review **Higher** 5. Gradients (further), and area under a graph 6. Kinematics 7. Graphical transformations	**Revision**	**Revision**