Manchester Hospital School Long Term Plan						
Leo Kelly School and Galaxy House The below sequence is followed						
Maths						
Please see knowledge and skills sequence of learning for further information relating to programmes of study	**Autumn 1**	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
11	Gradients & lines. Non-linear graphs. Using graphs.	Expanding & factorising. Changing the subject. Functions.	Multiplicative reasoning. Geometric reasoning. Algebraic reasoning.	Transforming and constructing. Listing and describing. Proof.	Revision	
10	Congruency, similarity & enlargement. Trigonometry.	Equations & inequalities. Simultaneous equations.	Angles and bearings. Working with circles. Vectors.	Ratios and Fractions. Percentage and interest. Probability.	Representing data. Non-calculator methods.	Types of numbers & sequences. Indices & roots. Manipulating expressions.
Topics in KS3 will be adapted depending on the needs of the pupils						
9	Straight line graphs. Forming & solving equations. Testing conjectures.	3D shapes. Constructing & congruency.	Number reasoning. Using percentages. Maths and money	Geometrical deduction. Rotation & translation. Pythagoras' theorem.	Enlargement & similarity. Ratio & proportion. problems Rates.	Probability. Algebraic representation.
8	Ratio & scale. Multiplicative change. Multiplying &	Cartesian plane. Representing data. Tables and probability.	Brackets, equations & inequalities. Sequences.	Fractions & percentages. Standard index form.	Angles in parallel lines & polygons. Area of trapezia & circles.	Data handling. Measures of location.

	dividing fractions.		Indices.	Number sense.	Line symmetry and reflection.	
7	Sequences. Understanding algebraic notation. Equality & equivalence.	Place value, ordering integers & decimals. Fractions, decimals & percentages.	Addition & subtraction problem solving. Multiplication & division problem solving. Fractions & percentages of amounts.	Directed numbers. Addition & subtraction of fractions.	Constructions & geometric notation. Geometric reasoning.	Developing number sense. Sets & probability. Prime numbers & proof.