<table>
<tr><td colspan="7">Manchester Hospital School
Long Term Plan</td></tr>
<tr><td colspan="7">RMCH, The Christie, HIVE KS4, Wythenshawe Hospital and
North Manchester General Hospital</td></tr>
<tr><td colspan="7">Maths</td></tr>
<tr><td colspan="7">Please see knowledge and skills sequence of learning for further information relating to programmes of study</td></tr>
</table>

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. Percentages and interest. Probability.	Representing and interpreting data. Non-calculator methods.	Types of numbers & sequences. Indices & roots. Manipulating expressions.

Topics in KS3 will 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 & dividing fractions	Cartesian plane Representing data Tables and probability	Brackets, equations & inequalities Sequences Indices	Fractions & percentages Standard index form Number sense	Angles in parallel lines & polygons Area of trapezia & circles Line symmetry and reflection	Data handling Measures of location

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.
6	Place Value. Addition, subtraction, multiplication & division.	Fractions. Converting units.	Ratio. Algebra. Decimals.	Fractions, decimals & percentages. Area, perimeter & volume. Statistics.	Shape. Position & direction.	Consolidation, themed projects & problem solving.
5	Place value. Addition & subtraction.	Multiplication & division. Fractions.	Multiplication & division. Fractions.	Decimals & percentages. Perimeter & area. Statistics.	Shape. Position & direction.	Decimals. Negative numbers. Converting units. Volume.
4	Place value. Addition & subtraction.	Area. Multiplication & division.	Multiplication & division. Length & perimeter.	Fractions. Decimals.	Decimals. Money. Time.	Shape. Statistics. Position & direction.
3	Place value. Addition & subtraction.	Multiplication & division.	Multiplication & division. Length & perimeter.	Fractions. Mass & capacity.	Fractions. Money, Time.	Shape. Statistics.
2	Place value. Addition & subtraction.	Addition & subtraction. Shape.	Money. Multiplication & division.	Length & height. Mass, capacity & temperature.	Fractions. Time.	Statistics. Position & direction.

1	Place value.	Addition & subtraction. Shape.	Place value. Addition & subtraction.	Place value. Length & height. Mass & volume.	Multiplication & division. Fractions. Position & direction.	Place value. Money. Time.
EYFS	Getting to know you. Just like me!	It's me 1,2,3! Light & dark.	Alive in 5! Growing 6,7,8	Building 9&10. Consolidation.	To 20 & beyond. First, then, now.	Find my pattern. On the move.