

Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Base line Maths assessment.					
<p>Geometry & Measure: Area and Perimeter.</p> <p>Number: Multiply by powers of 10, negative number, mental, written & calculator methods for addition and subtraction</p> <p>Algebra: Algebraic symbols, collecting like terms, expressions, using and writing a formula, expressions and formula</p> <p>Assessment: At the end of each unit.</p>	<p>Number: Fractions, equivalent fractions, decimal equivalents, add and subtract fractions, fractions of an amount, finding %'s, % equivalent.</p> <p>Geometry & Measure: Angle measure, measuring angles, drawing angles, calculating angles, angles in triangles, properties of polygons.</p> <p>Algebra: Plotting coordinates, tabulating values, plotting straight line graphs, real life graphs.</p> <p>Assessment: At the end of each unit.</p>	<p>Number: Adding and subtracting (set 3/4) Rounding, BIDMAS, mental, written & calculator methods for multiplying and dividing (set 1/2)</p> <p>Statistics: Bar charts, Pie charts, line graphs, averages, interpreting graphs, plan an inquiry, tally charts and frequency tables, comparing data.</p> <p>Geometry & Measure: Reflection, reflection symmetry, rotation, rotation symmetry, translation, tessellation.</p> <p>Assessment: At the end of each unit.</p>	<p>Algebra: Multiply and divide terms, balancing calculations (set 1/2), simple equations, two step equations. Function machines (set 3/4)</p> <p>Number: Factors and multiples, square numbers, square roots, prime numbers (set 1/2), LCM & HCF (set 1/2).</p> <p>Geometry & Measure: Construct triangles, scale drawing, properties of 3D shapes, isometric drawing, nets, volume.</p> <p>Assessment: At the end of each unit.</p>	<p>Algebra: Sequences, sequence rules, term to term rule, position in a sequence.</p> <p>Number: Mental methods with decimals, written methods for multiply and divide with decimals, calculator work.</p> <p>Ratio and Proportion: Proportion, direct proportion, ratio, ratio and proportion problems.</p> <p>Assessment: At the end of each unit.</p>	<p>Statistics: Probability scale, theoretical probability, experimental probability, sets.</p> <p>END OF YEAR TEST</p> <p>Assessment: At the end of each unit.</p>

SMSC/British Values:

How it is taught:

Exploration, investigation.

Enjoyment of success / achievement / coping with short term failure + a longer term realisation of each student's strengths and weaknesses.

Encouragement of self-discipline.

Problem solving approach – seeking systematic order to solve a problem, breaking a task down into more manageable parts.

Critical thinking – skills of analysis, evaluation and reflection.

We encourage collaborative learning in the classroom – in the form of listening and learning from each other.

We explore and evaluate the use of Statistics to inform or mislead us in our current data obsessed society.

Percentage work across Key Stage 3 and 4 is clearly linked to current financial topics.

Through the work we do:

Value each contribution – insist students listen and respect each other.

Prepare lessons well to meet student needs – if they feel valued, they are more likely to value us.

Get to know each student well.

Create the atmosphere and the opportunity for them to ask questions.

Answer their questions – or students will not ask any and their education will be that much poorer.

Praise and encourage.

Build their confidence.

Have high expectations of tolerance, behaviour, work output.

We exhibit pupils work in maths classrooms - to share their good practice and celebrate achievement through creating informative displays.

Enrichment/Extra Curriculum:

- *After school sessions.*

Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
<p>Number: Ordering numbers, multiplying and dividing numbers, factors, multiples and primes, square, cubes and roots, LCM & HCF.</p> <p>Geometry & Measure: Metric and imperial units, area & perimeter.</p> <p>Algebra: Simplifying, substitution, indices, expanding brackets, formulae.</p> <p>Assessment: At the end of each unit</p>	<p>Number: Ordering decimals, FDP conversion, fraction of an amount, % of an amount, adding & subtracting fractions.</p> <p>Geometry & Measure: Angle facts, properties of polygons, parallel lines, congruent shapes.</p> <p>Statistics: Drawing straight line graphs, equations of straight graphs, real life graphs, time series.</p> <p>Assessment: At the end of each unit</p>	<p>Number: Rounding, mental calculations, powers of 10, mental problems.</p> <p>Statistics: Planning a study, collecting data, drawing charts, averages, frequency table, scatter graph, stem & leaf.</p> <p>Geometry & Measure: Recap transformations, combining transformations, symmetry recap, enlargements.</p> <p>Assessment: At the end of each unit</p>	<p>Algebra: Solve simple equations, solving multi step equations, real life equations.</p> <p>Number: Written and calculator methods of the 4 operations, BIDMAS, word problems.</p> <p>Geometry & Measure: Construct: Triangles Bisectors Perpendicular Loci & scale drawing, bearings.</p> <p>Assessment: At the end of each unit.</p>	<p>Algebra: Term to term rule, position to term rule, sequences in context, geometric sequences.</p> <p>Geometry & Measure: 3D shapes, plans and elevations, surface area and volume of cuboids, volume of prisms.</p> <p>Ratio and Proportion: Simplifying ratio, sharing ratio, direct proportion, ration and proportion, % increase and decrease, comparing proportions.</p> <p>Assessment: At the end of each unit</p>	<p>Statistics: Listing outcomes, probability scale, experimental probability, theoretical and experimental probability, set and set notation.</p> <p>END OF YEAR TEST</p> <p>Assessment: At the end of each unit</p>
<p><i>SMSC/British Values:</i> How it is taught: <i>Exploration, investigation.</i> <i>Enjoyment of success / achievement / coping with short term failure + a longer term realisation of each student's strengths and weaknesses.</i> <i>Encouragement of self-discipline.</i></p>					

Problem solving approach – seeking systematic order to solve a problem, breaking a task down into more manageable parts.

Critical thinking – skills of analysis, evaluation and reflection.

We encourage collaborative learning in the classroom – in the form of listening and learning from each other.

We explore and evaluate the use of Statistics to inform or mislead us in our current data obsessed society.

Percentage work across Key Stage 3 and 4 is clearly linked to current financial topics.

Through the work we do:

Value each contribution – insist students listen and respect each other.

Prepare lessons well to meet student needs – if they feel valued, they are more likely to value us.

Get to know each student well.

Create the atmosphere and the opportunity for them to ask questions.

Answer their questions – or students will not ask any and their education will be that much poorer.

Praise and encourage.

Build their confidence.

Have high expectations of tolerance, behaviour, work output...

We exhibit pupils work in maths classrooms - to share their good practice and celebrate achievement through creating informative displays.

Enrichment/Extra Curriculum:

- *After school sessions.*