



Subject: Mathematics

Lead Teacher: Mr A Heighway

Year: 7

Curriculum organisation

Students are taught in form groups of 30 students for three lessons per week.

| What topics will your daughter be studying this year? | | | How will your daughter be learning? |
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| <p>Autumn Term</p> <ul style="list-style-type: none"> Algebra – forming and simplifying expressions, coordinates and rules Number – special numbers and patterns, negatives, properties – highest common factors, lowest common multiples and primes, percentages, decimals and fractions Data – averages from raw and grouped data Probability Shape – transformations, symmetry | <p>Spring Term</p> <ul style="list-style-type: none"> Algebra – sequences, forming and solving equations, straight line graphs Number – rounding decimal places and significant figures, estimating, ratio, converting measurements Data – pie charts, scatter graphs | <p>Summer Term</p> <ul style="list-style-type: none"> Area and perimeter – rectangles, triangles, compound shapes Angles – triangles, quadrilaterals, polygons, parallel lines Construction – bearings, scale drawings Calculations – calculation methods with positive integers, multiplying decimals, dividing decimals Negative numbers – ordering, adding, subtracting, multiplying, dividing Fractions – simplifying, adding, subtracting, multiplying, dividing | <ul style="list-style-type: none"> Whole class discussion Paired work Worksheets Problem-solving tasks |

| Equipment needed for lessons | What can you do to support your daughter? |
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| <ul style="list-style-type: none"> Standard school stationery Calculator Pair of compasses | <ul style="list-style-type: none"> Mymaths.co.uk has lessons and practice questions to work through which can be done independently at home |

| How will learning be assessed and progress measured? | Extension & Enrichment opportunities |
|---|---|
| <ul style="list-style-type: none"> Baseline assessment in Autumn half-term 1 Students will peer-mark some exercises Half termly tests Homework tasks will be marked using the NGHS Marking Policy | <ul style="list-style-type: none"> Junior maths challenge |

If you have any questions about this Learning Overview, please contact the named Teacher above.