



Subject: Mathematics

Lead Teacher: Mr Heighway

Year: 8

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?
Autumn Term <ul style="list-style-type: none"> Algebra – simplifying expressions, factorising quadratics, solving linear equations, straight line graphs Number – index laws, fractions, directed number Shape – Pythagoras’ Theorem, trigonometry, circle mensuration 	Spring Term <ul style="list-style-type: none"> Algebra – rearranging and applying formulae, sequences Number – ratio, rounding decimal places and significant figures, percentages Shape – similar shapes, shape transformations, angles, polygons and bearings Probability 	Summer Term <ul style="list-style-type: none"> Algebra – simultaneous equations, inequalities Shape – construction and loci, volume and surface area Data - averages from raw and grouped data, cumulative frequency diagrams, box plots 	<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?
<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"> 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 Team maths challenge

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