







	Year 10 Foundation	Year 10 Higher	Year 11 Foundation	Year 11 Higher
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Intention: 1. logical reasoning and problem solving 2. fluency 3. functionality in real-life [cross curricular] contexts **Starters:** Retrieval practice based on QLA from most recent mock exams **Homework:** Hegarty Maths + GCSE Pod for retrieval practice exercises

Impact Formative: Exit tickets + Fortnightly Mini-rolls [cumulative 1st 40 marks]
Impact summative = Mock 1 Oct [year 10 tiering papers, year 11 2 papers] Mock 2 January 3 papers, Mock 3 March [year 11 3 papers] Pin-point personalised learning booklets post every mock from end of year 9 onwards

Autumn 1	<p>Algebra:</p> <ul style="list-style-type: none"> Midpoint of line segment $y=mx+c$ Parallel and perpendicular lines Rates of change 	<p>Algebra:</p> <ul style="list-style-type: none"> Simultaneous equations Graph quadratics Solve quadratics Complete the square  <p>Statistics 4 and 5</p>	<p>Number:</p>  <p>The mass of the smallest known virus is 9.5×10^{-21}</p> <ul style="list-style-type: none"> Index laws Add and subtract standard form Multiply and divide standard form 	<p>Geometry and measures:</p> <ul style="list-style-type: none"> Vector arithmetic Solve problems involving vectors
Autumn 2	<p>Ratio and proportionality:</p> <ul style="list-style-type: none"> Ratio problems with decimals Direct proportion Pythagoras Trigonometry 	<p>Ratio and proportionality:</p> <ul style="list-style-type: none"> Percentage profit and loss Growth and decay problems Direct and indirect proportionality <p>Statistics 6 and 7</p>	<p>Geometry and measures:</p> <ul style="list-style-type: none"> Recognize congruent shapes Solve similarity problems Add and subtract vectors Calculate multiples of vectors 	<p>Algebra:</p> <ul style="list-style-type: none"> Calculate gradient of a tangent to a curve Calculate area under a curve
Spring 1	<p>Geometry and measures:</p> <ul style="list-style-type: none"> Area and perimeter of sectors and arcs Volume of pyramids Volume of spheres 	<p>Geometry and measures:</p> <ul style="list-style-type: none"> Solve problems using congruency Solve problems using similarity <p>Statistics 8</p>	<p>January mocks</p> <ul style="list-style-type: none"> How to revise Key exam topics Green penning of exam papers Personalised Hegarty maths catch up 	
Spring 2	<p>Ratio and proportionality:</p> <ul style="list-style-type: none"> Percentage profit and loss Growth and decay problems Compound measures 	<p>Geometry and measures:</p> <ul style="list-style-type: none"> Trigonometric graphs 3D Pythagoras 3D trigonometry 	<p>GCSE "Run in"</p> <p>Topics chosen for study based on QLA analysis of January mock</p> 	
Summer 1	<p>Algebra:</p>  <ul style="list-style-type: none"> Plot quadratic graphs Factorise quadratic graphs Solve quadratic equations 	<p>Algebra:</p>  <ul style="list-style-type: none"> Graph inequalities Graph and solve cubic functions Circle theorems Iterative process 	<p>GCSE exam season</p> <p>Walking talking mocks and half term study clubs delivered alongside individualised GCSE "Run in" lessons. Use of personalised PinPoint learning booklets.</p>	
Summer 2	<p>End of year mock exams:</p> <ul style="list-style-type: none"> How to revise Retrieval practice lessons Green pen follow up of exam papers PinPoint learning personalized booklets 