

Key Stage 5

<p>Curriculum Aims</p> <p>To promote mathematical skills to enable all pupils to achieve their potential during the A levels course and in the final examinations.</p> <ul style="list-style-type: none"> ▪ Assumed GCSE level 6 or better. ▪ Pure mathematics includes proof, algebra, graphs, sequences, trigonometry, logarithms, calculus and vectors 2. ▪ Mechanics includes kinematics, motion under gravity, working with forces including friction, Newton's laws and simple moments 3. ▪ Statistics includes working with data form a sample to make inferences about a population, probability calculations, using binomial and normal distributions as models and statistical hypothesis testing. ▪ Promote the use of graphical calculator or sim. 	<p>What will you see in a Mathematics lessons?</p> <p>Topics linked to MEI CHAPTER and TITLE MEI website and integral</p> <p>Google classroom instruction shared (at least once per week) and posted.</p> <p>Work including:</p> <ul style="list-style-type: none"> ▪ Keywords etc ▪ Examples (location ref) ▪ Explanation (board work, handout, slides etc) ▪ Questions to complete, further examples, further questions. ▪ Possible examination questions ▪ Calculator/equipment use ▪ Homework links and ref 	<p>What will you see in students' mathematics books/pads?</p> <p>Topic title, date, and possible ref</p> <ul style="list-style-type: none"> ▪ Examples ▪ Exercise link (level ½ etc) ▪ Possible level of expectation ▪ Answers to questions
<p>Curriculum Content and Sequencing</p> <p>Content from MEI linked to integral possible link to mymaths or similar</p>	<p>What formative assessment will you see in Mathematics?</p> <ul style="list-style-type: none"> ▪ Classroom mini tests ▪ Chapter assessments ▪ Mocks 	<p>What is the faculty currently reading and discussing and why?</p> <p>We are currently reading:</p> <p>'Plus Magazine' articles and podcast. E.g. How can maths fight a pandemic?</p> <p>Fermat's Last Theorem – Simon Singh</p> <p>Why:</p> <p>To keep up to date with current mathematics and applications For Mathematics conference with sixth form.</p>

