



ASPIRE • BELIEVE • ACHIEVE



**Curriculum Overview: Mathematics Year 11 HIGHER**

<b>Autumn</b>			
What are we learning?	What knowledge, understanding and skills will we gain?	What does excellence look like?	What additional resources are available?
<b>SPRING-SUMMER</b>			
What are we learning?	What knowledge, understanding and skills will we gain?	What does excellence look like?	What additional resources are available?
<b>Past papers questions</b>	<p><b>Knowledge</b> -know of all essential mathematical concepts required for the exam</p> <p><b>Understanding</b> -Understanding of how to tackle an exam style question that test problem solving skills</p> <p><b>Skills</b> - Comprehend and critique mathematical arguments, proofs and justifications of methods and formulae, including those relating to applications of mathematics  - Construct and present mathematical arguments through appropriate use of diagrams;</p>	<p>Understand and use language and symbols associated with set theory, as set out in the glossary</p> <p>Understand, interpret and extract information from diagrams and construct mathematical diagrams to solve problems</p> <p>Recognise the underlying mathematical structure in a situation and simplify and abstract appropriately to enable problems to be solved</p> <p>Interpret the outputs of a mathematical model in the context of the original situation (for a given</p>	<p><a href="http://www.mathsgenie.co.uk">www.mathsgenie.co.uk</a></p> <p><a href="http://www.mathswatch.com">www.mathswatch.com</a></p> <p><a href="http://www.drfrostmaths.com">www.drfrostmaths.com</a></p> <p><a href="https://corbettmaths.com/">https://corbettmaths.com/</a></p>

	sketching graphs; logical deduction; precise statements involving correct use of symbols and connecting language, including: constant, coefficient, expression, equation, function, identity, index, term, variable	model or a model constructed or selected by the student)  Use a mathematical model with suitable inputs to engage with and explore situations (for a given model or a model constructed or selected by the student)	
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