



ASPIRE • BELIEVE • ACHIEVE



Curriculum Overview: Mathematics Year 10 Foundation

SUMMER			
What are we learning?	What knowledge, understanding and skills will we gain?	What does excellence look like?	What additional resources are available?
<b>CONSTRUCTION, LOCI AND BEARINGS</b> <b>QUADRATICS EQUATIONS AND GRAPHS</b> <b>PERIMETER, AREA AND VOLUME</b>	<b>Knowledge</b>  -Know how to recognise 3D shapes and their properties. -Know and use quadratic expressions.  -Know how to solve problems involving areas and perimeters of 2D shapes.  <b>Understanding</b>  -Understand and draw plans and elevations of 3D shapes.  - Understand and use maths language for circles and perimeters.  <b>Skills</b>  -be able to Solve problems involving bearings and scale diagrams.  -be able to use a graph.	Students begin to show confidence in solving different types of equations including those with non-integer coefficients of either or both variables.  Ability to interpret results in the context of the given problem	<a href="http://www.mathsgenie.co.uk">www.mathsgenie.co.uk</a>  <a href="http://www.physicsandmathstutor.com">www.physicsandmathstutor.com</a>  <a href="http://www.drfrostmaths.com">www.drfrostmaths.com</a>  <a href="http://www.mathswatch.com">www.mathswatch.com</a>

	-be able to Work out the volume and surface area of composite solids.		
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