

## Key Stage 3 Curriculum Map 2020 - 2021

### Term 2

Subject: Mathematics	Year 9		
Focus/Topic	Objectives	Key Skills	Home Learning / Recommended Reading
<ul style="list-style-type: none"> <li>Linear Graphs</li> </ul>	<ul style="list-style-type: none"> <li>To be able to plot linear graphs given their equation</li> <li>To find equation from a linear graph</li> <li>To find equations of lines through 2 coordinates</li> <li>To use properties of parallel lines to solve problems related to linear graphs</li> </ul>	<ul style="list-style-type: none"> <li>Substitution, rearranging formulae, simplifying algebraic expressions, plotting coordinates in all 4 quadrants</li> </ul>	<ul style="list-style-type: none"> <li><a href="http://www.corbettmaths.com">www.corbettmaths.com</a></li> <li><a href="http://www.drfrostmaths.com">www.drfrostmaths.com</a></li> <li><a href="http://www.mathspad.co.uk">www.mathspad.co.uk</a></li> <li>BBC Bitesize</li> <li>CGP KS3 Revision Guides</li> </ul>
<ul style="list-style-type: none"> <li>Linear Inequalities</li> </ul>	<ul style="list-style-type: none"> <li>To solve linear inequalities algebraically</li> <li>To solve linear inequalities graphically</li> </ul>	<ul style="list-style-type: none"> <li>Substitution, rearranging formulae, simplifying algebraic expressions, solving equations where variable appears on both sides</li> </ul>	<ul style="list-style-type: none"> <li><a href="http://www.corbettmaths.com">www.corbettmaths.com</a></li> <li><a href="http://www.drfrostmaths.com">www.drfrostmaths.com</a></li> <li><a href="http://www.mathspad.co.uk">www.mathspad.co.uk</a></li> <li>BBC Bitesize</li> <li>CGP KS3 Revision Guides</li> </ul>
<ul style="list-style-type: none"> <li>Quadratic Functions</li> </ul>	<ul style="list-style-type: none"> <li>To plot quadratic functions</li> <li>To expand and factorise quadratic functions</li> </ul>	<ul style="list-style-type: none"> <li>Substitution, rearranging formulae, simplifying algebraic expressions, expanding and factorising quadratic expressions</li> <li>Substitution, rearranging formulae, simplifying</li> </ul>	

	<ul style="list-style-type: none"> <li>To investigate properties of quadratic functions</li> <li>To use properties of quadratic functions to solve problems</li> <li>To sketch quadratic functions</li> <li>To solve quadratic equations graphically</li> </ul>	<p>algebraic expressions, plotting coordinates in all 4 quadrants</p> <ul style="list-style-type: none"> <li>Expanding and factorising quadratic expressions</li> </ul>	<ul style="list-style-type: none"> <li><a href="http://www.corbettmaths.com">www.corbettmaths.com</a></li> <li><a href="http://www.drfrostmaths.com">www.drfrostmaths.com</a></li> <li><a href="http://www.mathspad.co.uk">www.mathspad.co.uk</a></li> <li>BBC Bitesize</li> <li>CGP KS3 Revision Guides</li> </ul>
<b>February Mid Term Break</b>			
<ul style="list-style-type: none"> <li>Sequences</li> </ul>	<ul style="list-style-type: none"> <li>Solve problems related to linear sequences</li> <li>Explore quadratic sequences</li> <li>Derive the nth term rule for a quadratic sequence</li> <li>Solve problems related to quadratic sequences</li> </ul>	<ul style="list-style-type: none"> <li>Substitution</li> </ul>	<ul style="list-style-type: none"> <li><a href="http://www.corbettmaths.com">www.corbettmaths.com</a></li> <li><a href="http://www.drfrostmaths.com">www.drfrostmaths.com</a></li> <li><a href="http://www.mathspad.co.uk">www.mathspad.co.uk</a></li> <li>BBC Bitesize</li> <li>CGP KS3 Revision Guides</li> </ul>
<ul style="list-style-type: none"> <li>Simultaneous Equations</li> </ul>	<ul style="list-style-type: none"> <li>Solve simultaneous equations using a table</li> </ul>	<ul style="list-style-type: none"> <li>Substitution, solving linear equations</li> </ul>	<ul style="list-style-type: none"> <li><a href="http://www.corbettmaths.com">www.corbettmaths.com</a></li> <li><a href="http://www.drfrostmaths.com">www.drfrostmaths.com</a></li> <li><a href="http://www.mathspad.co.uk">www.mathspad.co.uk</a></li> <li>BBC Bitesize</li> <li>CGP KS3 Revision Guides</li> </ul>
<ul style="list-style-type: none"> <li>Simultaneous Equations</li> </ul>	<ul style="list-style-type: none"> <li>Solve simultaneous equations algebraically by elimination</li> </ul>	<ul style="list-style-type: none"> <li>Substitution, solving linear equations</li> </ul>	<ul style="list-style-type: none"> <li><a href="http://www.corbettmaths.com">www.corbettmaths.com</a></li> <li><a href="http://www.drfrostmaths.com">www.drfrostmaths.com</a></li> <li><a href="http://www.mathspad.co.uk">www.mathspad.co.uk</a></li> <li>BBC Bitesize</li> <li>CGP KS3 Revision Guides</li> </ul>
<b>End of Term 2</b>			