

## YEAR 9 – MATHEMATICS NOVEMBER 2020

<b>Subject</b>	Mathematics
<b>Class/ Section</b>	Year 9 A-F
<b>Week</b>	15 <sup>th</sup> November to 19 <sup>th</sup> November
<b>Work send to students by</b>	Class Group email / Google classroom / Zoom
<b>Total number of lessons per week</b>	6
<b>Concepts</b>	Unit 2.7 – More Expanding and factorising Unit 4.1 – Fractions Unit 4.2 – Ratios  Revision topics – Unit 4.4 – Percentages Unit 4.5 – Fractions, decimals and percentages
<b>Lesson 1</b> <b>Zoom Lesson</b>  <b>Task</b>  <b>Resources</b>	<b>Learning Objective:</b> <ul style="list-style-type: none"> <li>• Add, subtract, multiply and divide fractions and mixed numbers.</li> <li>• Find the reciprocal of an integer, decimal or fraction</li> </ul> <b>Intended Learning Outcome:</b> By the end of the lesson students will be able to <ul style="list-style-type: none"> <li>• Add, subtract, multiply and divide fractions and mixed numbers.</li> <li>• Find the reciprocal of an integer, decimal or fraction</li> </ul> <b>Sums from the concept assigned for practice.</b>  <b>Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book, PPT</b>
<b>Lesson 2</b> <b>Zoom Lesson</b>	<b>Learning Objective:</b> <ul style="list-style-type: none"> <li>• To expand the product of two brackets.</li> <li>• Use the difference of two squares</li> <li>• Factorise quadratics of the form <math>x^2+bx+c</math></li> </ul> <b>Intended Learning Outcome:</b> By the end of the lesson students will be able to <ul style="list-style-type: none"> <li>• To expand the product of two brackets.</li> <li>• Use the difference of two squares</li> <li>• Factorise quadratics of the form <math>x^2+bx+c</math></li> </ul>

<p><b>Task</b></p> <p><b>Resources</b></p>	<p>Sums from the concept assigned for practice.</p> <p>Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book, PPT</p>
<p><b>Lesson 3</b> <b>Zoom Lesson</b></p> <p><b>Task</b></p> <p><b>Resources</b></p>	<p><b>Learning Objective:</b></p> <ul style="list-style-type: none"> <li>• To expand the product of two brackets.</li> <li>• Use the difference of two squares</li> <li>• Factorise quadratics of the form <math>x^2+bx+c</math></li> </ul> <p><b>Intended Learning Outcome:</b> By the end of the lesson students will be able to</p> <ul style="list-style-type: none"> <li>• To expand the product of two brackets.</li> <li>• Use the difference of two squares</li> <li>• Factorise quadratics of the form <math>x^2+bx+c</math></li> </ul> <p>Sums from the concept assigned for practice.</p> <p>Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book, PPT</p>
<p><b>Lesson 4</b> <b>Zoom Lesson</b></p> <p><b>Task</b></p> <p><b>Resources</b></p>	<p><b>Learning Objective:</b></p> <ul style="list-style-type: none"> <li>• To expand the product of two brackets.</li> <li>• Use the difference of two squares</li> <li>• Factorise quadratics of the form <math>x^2+bx+c</math></li> </ul> <p><b>Intended Learning Outcome:</b> By the end of the lesson students will be able to</p> <ul style="list-style-type: none"> <li>• To expand the product of two brackets.</li> <li>• Use the difference of two squares</li> <li>• Factorise quadratics of the form <math>x^2+bx+c</math></li> </ul> <p>Sums from the concept assigned for practice.</p> <p>Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book, PPT</p>

<p><b>Lesson 5</b> <b>Zoom Lesson</b></p> <p><b>Task</b></p> <p><b>Resources</b></p>	<p><b>Learning Objective:</b></p> <ul style="list-style-type: none"> <li>• Write ratios in the form 1:n or n:1</li> <li>• Compare ratios</li> <li>• Find quantities using ratios</li> </ul> <p><b>Intended Learning Outcome:</b> By the end of the lesson students will be able to</p> <ul style="list-style-type: none"> <li>• Write ratios in the form 1:n or n:1</li> <li>• Compare ratios</li> <li>• Find quantities using ratios</li> <li>•</li> </ul> <p>Sums from the concept assigned for practice.</p> <p>Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book, PPT</p>
<p><b>Lesson 6</b> <b>Google Classroom</b></p> <p><b>Task</b></p> <p><b>Resources</b></p>	<p><b>Learning Objective:</b></p> <ul style="list-style-type: none"> <li>• To expand the product of two brackets.</li> <li>• Use the difference of two squares</li> <li>• Factorise quadratics of the form <math>x^2+bx+c</math></li> </ul> <p><b>Intended Learning Outcome:</b> By the end of the lesson students will be able to</p> <ul style="list-style-type: none"> <li>• To expand the product of two brackets.</li> <li>• Use the difference of two squares</li> <li>• Factorise quadratics of the form <math>x^2+bx+c</math></li> </ul> <p>Sums from the concept assigned for practice from Active Learn.</p> <p>Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book, PPT</p>