

**YEAR 10 – MATHEMATICS SEPTEMBER(13<sup>th</sup>-17<sup>th</sup>) 2020**

<b>Subject</b>	<b>Mathematics</b>
<b>Class/ Section</b>	<b>Year 10 A-F</b>
<b>Week</b>	<b>13<sup>th</sup> – 17<sup>th</sup> September</b>
<b>Work send to students by</b>	<b>Zoom/Google classroom</b>
<b>Total number of lessons per week</b>	<b>6</b>
<b>Unit 9</b>	<b>Equations and Inequalities 9.1 Solving quadratic equations by factorising. 9.2 Solving quadratic equations using quadratic formula</b>
<b>Lessons 1 &amp; 2 Live Zoom lesson Differentiated work will be assigned</b>	<p><b>Learning Objective :</b></p> <ul style="list-style-type: none"> <li>• To factorise and solve simple quadratic equations.</li> <li>• To find the roots of quadratic functions.</li> <li>• To solve more complex quadratic equations..</li> </ul> <p><b>Intended Learning Outcomes</b> By the end of the lesson students will be able to</p> <ul style="list-style-type: none"> <li>• To factorise and solve simple and complex quadratic equations.</li> </ul>
<b>Task</b>	<b>Sums assigned from the text book and PPT</b>
<b>Resources</b>	<b>Text Book : Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book and PPT</b>
<b>Lesson 3 Live Zoom lesson Differentiated work will be assigned</b>	<p><b>Learning Objective :</b></p> <ul style="list-style-type: none"> <li>• To use the quadratic formula to solve quadratic equations.</li> </ul> <p><b>Intended Learning Outcomes</b> By the end of the lesson students will be able to</p> <ul style="list-style-type: none"> <li>• To solve quadratic equations using quadratic formula.</li> </ul>
<b>Task</b>	<b>Sums assigned from the textbook and PPT</b>
<b>Resource</b>	<b>Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book and PPT</b>

<p><b>Lessons 4</b> <b>Live Zoom</b> <b>lesson</b> <b>Differentiated</b> <b>work will be</b> <b>assigned</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>• <b>To solve real-life problems involving quadratic equations..</b></li> </ul> <p><b>Intended Learning Outcome:</b> <b>By the end of the lesson students will be able to</b></p> <ul style="list-style-type: none"> <li>• <b>To solve real-life problems involving quadratic equations..</b></li> </ul> <p><b>Sums assigned from the textbook and PPT</b></p> <p><b>Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book and PPT</b></p>
<p><b>Lesson 5 &amp;6</b> <b>Asynchronous</b> <b>lesson</b> <b>(Google</b> <b>classroom)</b></p> <p><b>Differentiated</b> <b>work will be</b> <b>assigned in</b> <b>Google</b> <b>Classroom</b></p> <p><b>Task</b></p> <p><b>Resources</b></p>	<p><b>Learning Objective</b></p> <p><b>To solve more problems assigned through Google classroom based on the objectives covered in the lessons 1-4.</b></p> <p><b>To solve questions from the worksheet</b></p> <p><b>Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book, worksheet</b></p>