

**YEAR 10 – MATHEMATICS OCTOBER(4th-8<sup>th</sup>) 2020**

<b>Subject</b>	<b>Mathematics</b>
<b>Class/ Section</b>	<b>Year 10 A-F</b>
<b>Week</b>	<b>4th– 8<sup>th</sup> October</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 6 &amp;15</b>	<p><b>Graphs of Quadratic functions</b></p> <ul style="list-style-type: none"> <li>• <b>6.6 Solving quadratic equations using graphs</b></li> <li>• <b>15.3 Sketching quadratic graphs using completing the square</b></li> <li>• <b>Assessment -1 on Unit 9.1,9.2,9.3.</b></li> </ul>
<p><b>Lessons 1</b> <b>Live Zoom lesson</b> <b>Differentiated work will be 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 quadratic equations graphically after rearranging</b></li> </ul> <p><b>Intended Learning Outcomes</b> <b>By the end of the lesson students will be able to</b></p> <ul style="list-style-type: none"> <li>• <b>To use one quadratic graph to solve another quadratic equation</b></li> </ul> <p><b>Sums assigned from the text book and PPT</b></p> <p><b>Text Book : Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book and PPT</b></p>
<p><b>Lesson 2</b> <b>Live Zoom lesson</b></p>	<p><b>Learning Objective :</b></p> <ul style="list-style-type: none"> <li>• <b>Assessment on solving quadratic equations.</b></li> </ul>

<p><b>Lessons 3&amp;4</b> <b>Live Zoom</b> <b>lesson</b> <b>Differentiated</b> <b>work will be</b> <b>assigned</b></p>	<p><b>Learning Objective:</b></p> <ul style="list-style-type: none"> <li>• <b>To sketch a quadratic graph using completing the square method</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 sketch and label quadratic graph</b></li> </ul> <p><b>Task</b></p> <p><b>Sums assigned from the textbook and PPT</b></p> <p><b>Resources</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>Learning Objective</b></p> <p><b>To work on the project assigned of real life application of quadratic functions.</b></p> <p><b>Task</b></p> <p><b>To submit a project on Real life application of quadratic functions by October 11<sup>th</sup>.</b></p>