

**YEAR 10 – MATHEMATICS SEPTEMBER 27th-1st OCTOBER 2020**

<b>Subject</b>	<b>Mathematics</b>
<b>Class/ Section</b>	<b>Year 10 A-F</b>
<b>Week</b>	<b>27<sup>th</sup> Sept– 1st Oct</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 &amp; 15.3 Solving quadratic equations using graphs</b></li> <li>• <b>15.3 Sketching quadratic graphs using completing the square</b></li> </ul>
<p><b>Lessons 1 &amp; 2</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>Recognise and draw quadratic functions</b></li> <li>• <b>To identify the solutions, axis of symmetry and turning points.</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 solve quadratic equations graphically.</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 3</b>  <b>Live Zoom lesson</b>  <b>Differentiated work will be assigned</b></p> <p><b>Task</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>

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