

## **YEAR 10 – MATHEMATICS SEPTEMBER 2020**

<b>Subject</b>	<b>Mathematics</b>
<b>Class/ Section</b>	<b>Year 10 A-F</b>
<b>Week</b>	<b>6<sup>th</sup> – 10<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</b>	<b>Angles and Trigonometry, Simultaneous equations, Stem and leaf diagram, Percentages, Factorising quadratic expressions</b>
<b>Lessons 1</b> <b>Live Zoom lesson</b> <b>Differentiated work will be assigned</b>	<b>Learning Objective : To bridge the gap identified</b> <ul style="list-style-type: none"> <li>• To recap Trigonometric ratios, Pythagoras Theorem</li> <li>• To do problems involving the real life applications of Trigonometric ratios and Pythagoras theorem.</li> </ul> <b>Intended Learning Outcomes</b> <b>By the end of the lesson students will be able to</b> <ul style="list-style-type: none"> <li>• To do problems involving the real life applications of Trigonometric ratios and Pythagoras theorem.</li> </ul>
<b>Task</b>	<b>Sums from the Worksheet assigned</b>
<b>Resources</b>	<b>Text Book : Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book and worksheet</b>
<b>Lesson 2</b> <b>Live Zoom lesson</b> <b>Differentiated work will be assigned</b>	<b>Learning Objective : To bridge the gap identified</b> <ul style="list-style-type: none"> <li>• To recap Simultaneous equations</li> <li>• To do problems involving the real life applications of simultaneous equations.</li> </ul> <b>Intended Learning Outcomes</b> <b>By the end of the lesson students will be able to</b> <ul style="list-style-type: none"> <li>• To do problems involving the real life applications of simultaneous equations.</li> </ul>
<b>Task</b>	
<b>Resource</b>	

	<p><b>Sums from the Worksheet assigned</b></p> <p><b>Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book and worksheet</b></p>
<p><b>Lessons 3</b> <b>Live Zoom lesson</b> <b>Differentiated work will be assigned</b></p>	<p><b>Learning Objective: To bridge the gap identified</b></p> <ul style="list-style-type: none"> <li>• To recap and solve real-life problems involving percentages.</li> <li>• Use stem and leaf diagrams to find averages.</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>• To solve real-life problems involving percentages.</li> <li>• Use stem and leaf diagrams to find averages.</li> </ul>
<b>Task</b>	
<b>Resources</b>	<p><b>Sums from the Worksheet assigned</b></p> <p><b>Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book ,worksheet</b></p>
<p><b>Lesson 4</b> <b>Live Zoom lesson</b> <b>Differentiated work will be assigned</b></p>	<p><b>Learning Objective: To bridge the gap identified</b> <b>To recap and</b></p> <ul style="list-style-type: none"> <li>• Expand double brackets and factorise quadratic expressions.</li> <li>• Solve problems on factorising quadratic expressions..</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>• Solve problems on factorising quadratic expressions.</li> </ul>
<b>Task</b>	<p><b>Worksheet assigned</b></p>
<b>Resources</b>	<p><b>Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book</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 by the respective teachers through Google classroom based on the weak areas identified in the baseline check..</b></p> <p><b>Questions assigned from Textbook</b></p> <p><b>Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book</b></p>
--	---