

**YEAR 12 – MATHEMATICS (Week 2)-2020-2021**

<b>Subject</b>	<b>Pure Mathematics</b>
<b>Class/ Batch</b>	<b>Year 12 – Batch 1, 2, 3</b>
<b>Week</b>	<b>6<sup>th</sup> September to 10<sup>th</sup> September</b>
<b>Work send to students by</b>	<b>Google classroom</b>
<b>Total number of lessons per week</b>	<b>6</b>
<b>Units</b>	<b>Quadratics, Equations and Inequalities</b>
<p><b>Lessons 1,2–Live Zoom lesson along with face to face instruction for students present on a specific day. Work will be assigned in google classroom which will be matched to the student’s ability</b></p> <p><b>Work will be assigned in google classroom which will be matched to the student’s ability</b></p>	<p><b>Chapter 2 : Quadratics</b></p> <p><b>Learning Objective: -To use and apply models that involve quadratic functions.</b></p> <p><b>Chapter 3 Equations and inequalities</b>  <b>Learning objectives –to solve simultaneous equations, using elimination or substitution.</b>  <b>-to solve simultaneous equations one linear and one quadratic.</b></p> <p><b><u>Intended Learning Outcomes</u></b>  <b>-Students will be able to solve the problems in Modelling with quadratics.</b>  <b>-Students will be able to solve the problems linear simultaneous equations, quadratic simultaneous equations.</b></p>
<b>Tasks</b>	

<p><b>Resources</b></p> <p>Lessons 3,4 Live Zoom lesson along with face to face instruction for students present on a specific day. Work will be assigned in google classroom which will be matched to the student's ability</p>	<p>Complete the questions assigned from the Pure Mathematics book 1 textbook in the notebook. Students will be put in break out rooms during Zoom lesson to encourage collaborative learning.</p> <p>1. Edexcel Pure Mathematics book 1 textbook</p> <p>2. <a href="https://www.physicsandmathstutor.com">https://www.physicsandmathstutor.com</a></p>
<p><b>Tasks</b></p>	<p>Chapter 3 Equations and inequalities Learning objectives –to interpret algebraic solutions of equations graphically. -to solve linear and quadratic inequalities.</p>
<p><b>Resources</b></p>	<p><b><u>Intended Learning Outcomes</u></b></p> <ul style="list-style-type: none"> <li>-Students will be able to solve the problems simultaneous equations on graphs.</li> <li>-to solve the problems in linear inequalities.</li> <li>-to solve the problem in quadratic inequalities.</li> </ul> <p>Complete the questions assigned from the Pure Mathematics book 1 textbook in the notebook. Students will be put in break out rooms during Zoom lesson to encourage collaborative learning.</p> <p>1. Edexcel Pure Mathematics book 1 textbook</p> <p>2. <a href="https://www.physicsandmathstutor.com">https://www.physicsandmathstutor.com</a></p>

<p><b>Lessons 5,6–Live Zoom lesson along with face to face instruction for students present on a day.</b></p> <p><b>Work will be assigned in google classroom which will be matched to the student’s ability</b></p> <p><b>Tasks</b></p> <p><b>Resources</b></p>	<p><b>Chapter 3 Equations and inequalities</b></p> <p><b>Learning objectives –to interpret inequalities graphically.</b></p> <p><b>-to represent linear and quadratic inequalities graphically.</b></p> <p><b><u>Intended Learning Outcomes</u></b></p> <p><b>-Students will be able to solve the problems in inequalities on graphs.</b></p> <p><b>-to solve problems on Regions.</b></p> <p><b>Complete the questions assigned from the Pure Mathematics book 1text book in the notebook. Students will be put in break out rooms during Zoom lesson to encourage collaborative learning.</b></p> <p><b>1. Edexcel Pure Mathematics book 1 textbook</b></p> <p><b>2. <a href="https://www.physicsandmathstutor.com">https://www.physicsandmathstutor.com</a></b></p>
<p><b>Lessons5,6 –Live Zoom lesson along with face to face instruction for students present on a particular day</b></p> <p><b>Work will be assigned in google classroom which will be matched to the students ability</b></p> <p><b>Tasks</b></p> <p><b>Resources</b></p>	<p><b>Chapter 3 Equations and inequalities</b></p> <p><b>Learning objectives –to solve simultaneous equations ,using elimination or substitution.</b></p> <p><b>-to solve simultaneous equations one linear and one quadratic</b></p> <p><b><u>Intended Learning Outcomes</u></b></p> <p><b>-Students will be able to solve the problems linear simultaneous equations, quadratic simultaneous equations ,</b></p> <p><b>Complete the questions assigned from the Pure Mathematics book 1 text book in the notebook. Students will be put in break out rooms during Zoom lesson to encourage collaborative learning.</b></p> <p><b>1. Edexcel Pure Mathematics book 1 textbook</b></p> <p><b>2. <a href="https://www.physicsandmathstutor.com">https://www.physicsandmathstutor.com</a></b></p>

