

**YEAR 13 – MATHEMATICS (Week 20-24 June)**

<b>Subject</b>	<b>Mathematics</b>
<b>Class/ Section</b>	<b>Year 13 – Batch A, B and C</b>
<b>Week</b>	<b>20<sup>th</sup> June to 24<sup>th</sup> June</b>
<b>Work send to students by</b>	<b>Google classroom</b>
<b>Total number of lessons per week</b>	<b>3 + 3</b>
<b>Units</b>	<b>1.7 – Solve some type of polynomial equation with real coefficients.</b>  <b>4.9– To use inverse of Matrix to reverse the effect of a linear transformation.</b>  <b>4.10–To use determinant of matrix to determine the area scale factor of the transformation.</b> <b>4.11- To Use matrices and their inverses to solve linear simultaneous equations.</b>
<b>Lessons 1, 2 &amp; 3</b>  <b>Task</b>  <b>Resources</b>	<p>Learning objective – (i) To understand complex roots of a polynomial equation Occur in conjugate pairs. ii)To solve cubic and quartic polynomial equations where one root is real and other roots are complex.</p> <p>Complete the FP1 textbook questions in the notebook.</p> <ol style="list-style-type: none"><li>1. Edexcel FP1 textbook</li><li>2. <a href="https://www.physicsandmathstutor.com">https://www.physicsandmathstutor.com</a></li></ol>

<b>Lesson 4,5 &amp; 6</b>	<p>Learning objective – (i) To find the area of the image using the determinant of the matrix that describes a given transformation. (ii) To solve linear simultaneous equations in two variables using matrices and their inverses.</p>
<b>Task</b>	<p>Complete the FP1 textbook questions in the notebook.</p>
<b>Resource</b>	<ol style="list-style-type: none"><li>1. Edexcel FP1 textbook</li><li>2. <a href="https://www.physicsandmathstutor.com/">https://www.physicsandmathstutor.com/</a></li></ol>