

## YEAR 13 – MATHEMATICS (Week 3)

<b>Subject</b>	<b>Mathematics</b>
<b>Class/ Section</b>	<b>Year 13 – Batch A, B and C</b>
<b>Week</b>	<b>13<sup>th</sup> April to 16<sup>th</sup> April</b>
<b>Work send to students by</b>	<b>Group email / Google classroom / Zoom</b>
<b>Total number of lessons per week</b>	<b>6</b>
<b>Units</b>	<b>1.4 – To represent a complex number on an Argand diagram</b> <b>1.5– To find the modulus and argument of a given complex number and write a complex number in modulus argument form.</b>  <b>4.5– Use Matrices to describe linear transformations</b>  <b>4.6–To use Matrices to describe rotations. reflections and enlargements.</b>
<b>Lessons 1, 2 &amp; 3</b>	
<b>Task</b>	Learning objective – (i) To be able to represent a complex number on an Argand diagram including addition and subtraction of two complex numbers as vectors. (ii) To understand the meaning of modulus and argument of a complex number(Principle argument) and to calculate the modulus and argument of a given complex number. (iii) To write a complex number in modulus argument form from $x + i y$ form.
<b>Resources</b>	Complete the FP1 textbook questions in the notebook.  1. Edexcel FP1 textbook 2. <a href="https://www.physicsandmathstutor.com">https://www.physicsandmathstutor.com</a>

<b>Lesson 4,5 &amp; 6</b>	<p>Learning objective – (i) To find Matrices to describe a given linear transformation. (ii) To describe fully the geometrical transformations described by a given matrix</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>