

YEAR 13 – MATHEMATICS (Week 6)

| | |
|--|--|
| Subject | Mathematics |
| Class/ Section | Year 13 – Batch A, B and C |
| Week | 26th April to 30th April |
| Work send to students by | Group email / Google classroom / Zoom |
| Total number of lessons per week | 6 |
| Units | 1.7 – Solve some type of polynomial equation with real coefficients. 4.9– To use inverse of Matrix to reverse the effect of a linear transformation. 4.10–To use determinant of matrix to determine the area scale factor of the transformation. 4.11- To Use matrices and their inverses to solve linear simultaneous equations. |
| Lessons 1, 2 & 3 Task Resources | 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. Complete the FP1 textbook questions in the notebook. 1. Edexcel FP1 textbook 2. https://www.physicsandmathstutor.com |

| | |
|---------------------------|--|
| | |
| Lesson 4,5 & 6 | <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> |
| Task | <p>Complete the FP1 textbook questions in the notebook.</p> |
| Resource | <ol style="list-style-type: none">1. Edexcel FP1 textbook2. https://www.physicsandmathstutor.com/ |