

YEAR 12 – MATHEMATICS (Week 5)

Subject	Mathematics
Class/ Section	Year 12 – Batch A, B and C
Week	19th April to 23rd April
Work send to students by	Group email / Google classroom / Zoom
Total number of lessons per week	6
Units	14.8– Logarithms and Non linear data 1.1 – Exponential models 1.2 – Measuring Correlation
Lessons 1 & 2	14.8 – Logarithms and Non linear data
Task	Learning objective – To use logarithms to estimate the values of constants in non – linear models. Complete the textbook questions.
Resource	1. Power point presentation 2. Pure Math Year 1 / AS 3. https://www.physicsandmathstutor.com/ 4. https://youtu.be/20BZLvDmDt0 5. https://youtu.be/xH_IWUPUO-g 6. https://youtu.be/A1H4j97paI4
Lesson 3 & 4	1.1 – Exponential models Learning objective – i) To understand exponential models in bivariate data.

<p>Task</p> <p>Resource</p>	<p>ii) To use a change of variable to estimate coefficients in an exponential model.</p> <p>Complete the textbook questions.</p> <ol style="list-style-type: none"> 1. Power point presentation 2. Statistics and Mechanics Year 2 3. https://www.physicsandmathstutor.com/ 4. https://www.youtube.com/watch?v=A1H4j97paI4 5. https://youtu.be/sibu-Op4rgk 6. https://www.youtube.com/watch?v=HngVySC1fqw
<p>Lessons 5 & 6</p> <p>Task</p> <p>Resources</p>	<p>1.2 – Measuring Correlation</p> <p>Learning objective – To understand and calculate the product moment correlation coefficient.</p> <p>Complete the textbook questions.</p> <ol style="list-style-type: none"> 1. Power point presentation 2. Statistics and Mechanics Year 2 3. https://www.physicsandmathstutor.com/ 4. https://youtu.be/D0EBJAQ7mUI 5. https://youtu.be/BXXtkYOqAfM 6. https://youtu.be/eA0k-BjWVi8