

## YEAR 12 – MATHEMATICS (Week 9)

<b>Subject</b>	Mathematics
<b>Class/ Section</b>	Year 12 – Batch A, B and C
<b>Week</b>	17 <sup>th</sup> May to 21 <sup>st</sup> May
<b>Work send to students by</b>	Group email / Google classroom / Zoom
<b>Total number of lessons per week</b>	6
<b>Units</b>	<p><b>PURE MATH- Ch 13(INTEGRATION)</b></p> <p><b>13.2 – Indefinite integrals</b></p> <p><b>13.3 – Finding functions</b></p> <p><b>Assessment – Statistics (Year 2)</b>  <b>Ch. 1 – Regression, correlation and hypothesis Testing</b>  <b>Ch. 2 – Conditional Probability</b></p>
<b>Lessons 1 &amp; 2 –Live Zoom lessons</b>	<p><b>13.2 – Indefinite integrals</b></p> <p><b><u>Learning objective</u> – To integrate polynomials.</b></p> <p><b><u>Intended Learning Outcomes</u></b></p> <p>--Students will be able to understand indefinite integrals.</p> <p>-- Students will be able to apply the concept of indefinite integration in integrating polynomials which are in terms of x or t or with combination of other variables.</p> <p>-- Students will be able to explore using indefinite integrals that finding the area under the graph is same as finding anti-derivative.</p>
<b>Task</b>	To complete the questions assigned from the Textbook(pdf) in their notebook. Students will be put in break out rooms during Zoom lesson to encourage collaborative learning.



**Lessons 5 –  
Work will be assigned in Google  
Classroom**

**Lesson 6 will be asynchronous  
wherein work will be assigned in  
Google classroom which will be  
matched to the student's ability.**

**Task**

**Resources**

**Assessment on:**

Ch. 1 – Regression, correlation and hypothesis Testing  
Ch. 2 – Conditional Probability

Objective:

Assessing the concept of :  
Exponential models, Measuring correlation, Hypothesis testing  
for zero correlation

Set notation, conditional probability, conditional probabilities in  
venn diagrams, probability formulae and tree diagrams.

To complete the questions assigned from the Textbook (pdf) in  
their notebook. Students will be put in break out rooms during  
Zoom lesson to encourage collaborative learning.

1. Power point presentation
2. Pure Math Year 1 / AS
3. <https://www.physicsandmathstutor.com/>
4. <https://www.drfrostmaths.com/>
5. <https://www.examsolutions.net/>
6. <https://www.youtube.com/watch?v=fTh5GnDqZfw>
7. <https://www.youtube.com/watch?v=-Q3NCPW5mlA>
8. <https://www.youtube.com/watch?v=6IG8nGJg81w>