

YEAR 12 – MATHEMATICS (Week 25)

Subject	Mathematics (Pure Math & Stats)
Class/ Section	Year 12 – Batch 1, 2 and 3
Week	14th February – 18th February 2021
Work send to students by	Group email / Google classroom / Zoom
Total number of lessons per week	6
Units	<p>PURE MATH- Ch12(Differentiation) 12.1 (Gradient of curves) 12.2(Finding the derivative) 12.3 (Differentiating x^n)</p> <p>STATISTICS – Book 1 - Ch 7 - Book 2 – Ch 1</p>
Lessons 1 –Live Zoom lesson	<p>PURE MATH- Ch12(Differentiation) 12.1 (Gradient of curves) 12.2(Finding the derivative) <u>Learning objective</u> : To find the derivative, $f'(x)$, or $\frac{dy}{dx}$, of a simple function. Use the derivative to solve problems involving gradients, tangents and normals.</p>
Tasks	<p><u>Intended Learning Outcomes</u> - Students will be able to use a tangent to find the gradient of a curve at any point on the curve. Students will be able to find the exact gradient of a curve at a given point .</p>
Resources	<p>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.</p> <ol style="list-style-type: none"> 1. Power point presentation 2. Pure Mathematics Year 1 / AS 3. https://www.physicsandmathstutor.com/ 4. https://www.drfrstmaths.com/ 5. https://www.examsolutions.net/

