

YEAR 12 – MATHEMATICS (Week 8)

Subject	Mathematics (Pure Math & Stat)
Class/ Section	Year 12 – Batch 1, 2 and 3
Week	18 th October to 22 nd October 2020
Work send to students by	Group email / Google classroom / Zoom
Total number of lessons per week	6
Units	<p>PURE MATH- Ch 6 (CIRCLES)</p> <p>6.1 Midpoints and perpendicular bisectors 6.2 Equation of a circle 6.3 Intersecting of straight lines and circles 6.4 Use tangent and chord properties. 6.5 circles and triangles</p> <p>STATISTICS – Ch. 3 (Representations of data) 3.3 – Cumulative Frequency 3.4 – Histograms 3.5 – Comparing Data</p>
Lessons 1 –Live Zoom lesson	<p>Ch 6 (CIRCLES)</p> <p>6.1 Midpoints and perpendicular bisector. 6.2 Equation of a circle <u>Learning objective</u> - To find midpoint of a line segment, equation of the perpendicular bisector to a line segment and equation of a circle.</p> <p><u>Intended Learning Outcomes</u> - Students will be able to find the midpoint of a line segment by averaging the x and y coordinates of its end points. The perpendicular bisector of a line B is the straight line that is perpendicular to AB and passes through the midpoint of AB.</p> <p>-Students will be able to derive equations of circles on a coordinate grid.</p> <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>
Tasks	
Resources	<ol style="list-style-type: none"> 1. Power point presentation 2. Pure Mathematics Year 1 / AS 3. https://www.physicsandmathstutor.com/ 4. https://www.drfrostmaths.com/ 5. https://www.examsolutions.net/

Lessons 6	To do problems involving Measures of Location and spread.
Google Classroom	Intended Learning Outcome: By the end of the lesson students will be able to do the problems from the Review exercise –1 based on chapters 1 (Data Collection and 2 (Measures of Location and spread).
Task	Work will be assigned in Google Classroom.
Resources	Text Book : Statistics and Mechanics Year 1 / AS