

YEAR 11 – MATHEMATICS (Week 9)

Subject	Mathematics
Class/ Section	Year 11 A-F
Week	17 th May to 21 st May
Work send to students by	Class Group email / Google classroom / Zoom
Total number of lessons per week	5
Chapter 6 Book 1	Circles
Lessons 1 Live Zoom lesson	<p>Unit 6.2 Equation of a Circle Learning Objective :</p> <ul style="list-style-type: none"> • Know how to find the equation of a circle <p>Intended Learning Outcomes By the end of the lesson students will be able to</p> <ul style="list-style-type: none"> • Find the equation of a circle with centre the origin • Find the equation of a circle with centre any point (a,b) and radius r • Use completing the square to find the equation of a circle
Task	Ex 6C – 1 - d, e , 2 d, e, 3- d, e, 4 and 5
Resources	<p>Text Book : Pure Mathematics Year 1</p> <p>https://www.examsolutions.net/tutorials/mid-point-line-segment/ https://www.physicsandmathstutor.com/maths-revision/solutionbanks/</p>
Lesson 2 and 3 Work will be assigned in Google Classroom which will be matched to the students ability	<p>Unit 6.2 Equation of a Circle (Continued) Learning Objective :</p> <ul style="list-style-type: none"> • Know how to find the equation of a circle <p>Intended Learning Outcomes By the end of the lesson students will be able to</p> <ul style="list-style-type: none"> • Use completing the square to find the equation of a circle
Task	Ex 6C : 8 to 13
Resource	<p>Text Book – Pure Mathematics Year 1</p> <p>https://www.examsolutions.net/tutorials/mid-point-line-segment/ https://www.physicsandmathstutor.com/maths-revision/solutionbanks/</p>

<p>Lessons 4 Live Zoom lesson</p> <p>Task</p> <p>Resources</p>	<p>Unit 6.3 Intersection of straight lines and circles Learning Objective:</p> <ul style="list-style-type: none"> • To solve problems involving straight lines and circles <p>Intended Learning Outcome: By the end of the lesson students will be able to</p> <ul style="list-style-type: none"> • Use algebra to find the coordinates of intersection of a straight line and a circle. <p>Ex 6D: 4 to 9</p> <p>Text Book – Pure Mathematics Year 1 https://www.examsolutions.net/tutorials/mid-point-line-segment/ https://www.physicsandmathstutor.com/maths-revision/solutionbanks/</p>
<p>Lesson 5 Work will be assigned in Google Classroom which will be matched to the students ability</p> <p>Task</p> <p>Resources</p>	<p>Unit 6.3 Intersection of straight lines and circles (continued) Learning Objective:</p> <ul style="list-style-type: none"> • To solve problems involving straight lines and circles <p>Intended Learning Outcome: By the end of the lesson students will be able to</p> <ul style="list-style-type: none"> • Use algebra to find the coordinates of intersection of a straight line and a circle. <p>Ex 6D: 9 to 12</p> <p>Text Book – Pure Mathematics Year 1 https://www.examsolutions.net/tutorials/mid-point-line-segment/ https://www.physicsandmathstutor.com/maths-revision/solutionbanks/</p>