

YEAR 11 (IGCSE) – MATHEMATICS FEBRUARY 2021

Subject	Mathematics
Class/ Section	Year 11 H and 11G
Week	February 14 th to 18 th
Work send to students by	Google classroom / Zoom
Total number of lessons per week	5
UNIT 2(Book1) UNIT 6(Book2) UNIT 8(Book2)	Shape and Space 2 Shape and Space 6 Shape and Space 8
Lessons 1&2 Shape & Space2 (Unit 2-Book 1) Shape & Space6 (Unit 6-Book 2) Live Zoom lesson Work will be assigned in Google Classroom which will be matched to the students ability	SHAPE AND SPACE 2 & 6- Proof of Circle Theorems Learning Objective: <ul style="list-style-type: none"> • Prove about angles subtended at the centre, the circumference of circles and semicircle. • Prove that opposite angles of cyclic quadrilateral add up to 180. • Prove alternate segment theorem. Intended Learning Outcome: By the end of the lesson students will be able to <ul style="list-style-type: none"> • Prove about angles subtended at the centre, the circumference of circles and semicircle. • Prove that opposite angles of cyclic quadrilateral add up to 180. • Prove alternate segment theorem.
Task	Worksheet Text Book(Book 1) – Page 143, 144 Text Book(Book 2) – Page 71
Resources	Text Book : Edexcel International GCSE (9-1) Mathematics A Student Book 1&2 by D A Turner I A Potts

<p>Lessons 3 & 4 Shape & Space 8 (Unit 8-Book 2)</p> <p>Live Zoom lesson Work will be assigned in Google Classroom which will be matched to the students ability</p> <p>Task</p> <p>Resources</p>	<p>SHAPE AND SPACE 8 –VECTORS(Page 228)</p> <p>Learning Objective:</p> <ul style="list-style-type: none"> • Understand and use vector notation • Calculate the magnitude of a vector • Calculate using vectors and represent solutions graphically • Use the scalar multiple of a vector • Calculate the resultant of two or more vectors • Solve geometric problems in two dimensions using vectors • Apply vector methods for simple geometric proofs <p>Intended Learning Outcome: By the end of the lesson students will be able to</p> <ul style="list-style-type: none"> • Understand and use vector notation • Calculate the magnitude of a vector • Calculate using vectors and represent solutions graphically • Use the scalar multiple of a vector • Calculate the resultant of two or more vectors • Solve geometric problems in two dimensions using vectors • Apply vector methods for simple geometric proofs <p>Problems from the Worksheet Text Book(Book 2) – Page 228 to 245– Ex 1, 1*, 2, 2*, 3, 3*, 4, 4*</p> <p>Text Book : Edexcel International GCSE (9-1) Mathematics A Student Book 1&2 by D A Turner I A Potts</p>
<p>Lessons 5</p> <p>Google classroom</p> <p>Task</p> <p>Resources</p>	<p>Learning Objective:</p> <ul style="list-style-type: none"> • Solve geometric problems using Vectors <p>Intended Learning Outcomes:</p> <p>By the end of the lesson will be able to</p> <ul style="list-style-type: none"> • Solve geometric problems using Vectors <p>Worksheet</p> <p>Text Book : Edexcel International GCSE (9-1) Mathematics A Student Book 1&2 by D A Turner I A Potts</p>