

YEAR 11 (GCSE) – MATHEMATICS NOVEMBER 2020

Subject	Mathematics
Class/ Section	Year 11 A-F
Week	8th to 12th November
Work send to students by	Google classroom / Zoom
Total number of lessons per week	5
Unit 19	Proportion and Graphs
Lessons 1 Unit 19.7 Live Zoom lesson Work will be assigned in Google Classroom which will be matched to the students ability	Unit 19.1, 19. 2 – Direct Proportion Learning Objective: <ul style="list-style-type: none"> • To write and use equations to solve problems involving direct proportion Intended Learning Outcome: By the end of the lesson students will be able to <ul style="list-style-type: none"> • To write and use equations to solve problems involving direct proportion
Task	Problems from the worksheet Text Book Page 591 – Qns 9 to 12
Resources	Text Book : Edexcel GCSE (9- 1)Mathematics Higher Student Book and PPT,
Lesson 2 Live zoom	Unit 19.3 – Inverse Proportion Learning Objective: <ul style="list-style-type: none"> • To write and use equations to solve problems involving inverse proportion • To use and recognise graphs showing inverse proportion Intended Learning Outcome: By the end of the lesson students will be able to <ul style="list-style-type: none"> • To write and use equations to solve problems involving inverse proportion and recognise graphs showing inverse proportion

<p>Task</p> <p>Resources</p> <p>Lessons 3 Live Zoom lesson Work will be assigned in Google Classroom which will be matched to the students ability</p>	<p>Text Book – Page 593 – Qn 2, Page 594 – Qn 7, Page 595 – Qn12 to 15 Problems from the Worksheet</p> <p>Text Book : Edexcel GCSE (9- 1)Mathematics Higher Student Book and</p> <p>Unit 19.4 – Exponential Functions Learning Objective:</p> <ul style="list-style-type: none"> • To recognise and sketch the graph of exponential functions <p>Intended Learning Outcome: By the end of the lesson students will be able to</p> <ul style="list-style-type: none"> • To recognise and sketch the graph of exponential functions
<p>Task</p> <p>Resources</p> <p>Lessons 4 Live Zoom lesson Work will be assigned in Google Classroom which will be matched to the students ability</p>	<p>Page 597 – Qn 8 to 10 Problems from the Worksheet</p> <p>Text Book : Edexcel GCSE (9- 1)Mathematics Higher Student Book PPT And worksheet</p> <p>Unit 19.5 – Non Linear Graphs Learning Objective:</p> <ul style="list-style-type: none"> • To calculate the gradient of a tangent at a point • To estimate the area under a non-linear graph <p>Intended Learning Outcome: By the end of the lesson students will be able to</p> <ul style="list-style-type: none"> • To calculate the gradient of a tangent at a point • To estimate the area under a non-linear graph

Task	<p>Text Book – Page 599 – 4, 5 Page 601 - 10 Problems from the worksheet</p>
Resources	<p>Text Book : Edexcel GCSE (9- 1)Mathematics Higher Student Book PPT And worksheet</p>
<p>Lesson 5 Google Classroom</p>	<p>Learning Objective:</p> <ul style="list-style-type: none"> • To do problems involving tangent to a curve and area under a curve <p>Intended Learning Outcome: By the end of the lesson students will be able to</p> <ul style="list-style-type: none"> • To do problems involving tangent to a curve and area under a curve
Task	<p>Worksheet</p>
Resources	<p>Text Book : Edexcel GCSE (9- 1)Mathematics Higher Student Book PPT And worksheet</p>