YEAR 11 (IGCSE) – MATHEMATICS NOVEMBER 2020

Subject	Mathematics
Class/ Section	Year 11 H and 11G
Week	15 th to 19 th November
Work send to students by	Google classroom / Zoom
Total number of lessons per week	5
UNIT 10 (Book 2)	Graphs 9
Lessons 1&2 - Graphs 9	Gradient of a function(Page 375) DIFFERENTIATING y = kx ⁿ
Live Zoom lesson Work will be assigned in Google Classroom which will be matched to the students ability	 Learning Objective: To understand the relationship between the gradient of a function and its rate of change Differentiate integer powers of x Intended Learning Outcome: By the end of the lesson students will be able to To understand the relationship between the gradient of a function and its rate of change Differentiate integer powers of x
Task	Text Book(Book 2)Page 377 to 380– Ex 1, 1*, Ex 2, 2*
Resources	Text Book : Edexcel International GCSE (9-1) Mathematics A Student Book 1&2 by D A Turner I A Potts PPT
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Lesson 3&4	EQUATION OF THE TANGENT TO A CURVE (Page 381)
- Graphs 9	Learning Objectives
Live Zoom	• Find the gradient of a tangent at a point by differentiation
lesson	 Find the equation of the tangent to a curve at a given point.
Work will be	 Calculate the rate of change at any given moment using the
assigned in	gradient function.
Google	
Classroom	Intended Learning Outcome:
which will be	By the end of the lesson students will be able to
matched to the	• Find the gradient of a tangent at a point by differentiation
students admity	• Find the equation of the tangent to a curve at a given point.
	 Calculate the rate of change at any given moment using the gradient function
	gradient function.
Task	Text Book(Book 2) – Page 383 – Ex 3, 3*
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Resources	Text Book : Edexcel International GCSE (9-1) Mathematics A Student
	Book 1&2 by D A Turner I A Potts
	РРТ
Lessons 5	STATIONARY POINTS (Page 385)
-Graphs 9	
Live Zeem	Learning Objective:
Live Zoom	• Find the co-ordinates of the maximum and minimum points on a curve Intended Learning Outcome:
Work will be	By the end of the lesson students will be able to
assigned in	 Find the co-ordinates of the maximum and minimum points on a curve
Google	• Find the co-of dilates of the maximum and minimum points on a curve
Classroom	
which will be	
matched to the	
students ability	
Tl-	
Task	Text Book(Book 2) – Page 387– Ex 4, 4*
Resources	Text Book · Edexcel International CCSE (9.1) Mathematics & Student
100001000	Rook 1&2 by D A Turner I A Potts
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