## YEAR 9 – MATHEMATICS FEBRUARY 2021

Subject	Mathematics
Class/ Section	Year 9 A-F
Week	7 <sup>th</sup> February to 11 <sup>th</sup> February
Work send to students by	Class Group email / Google classroom / Zoom
Total number of lessons per week	6
Concepts	Unit 3.2 – Time Series Unit 3.2 – Scatter Graphs Unit 3.4 – Line of best fit Unit 6.1 – Linear graphs Unit 6.2 – More Linear Graphs
Lesson 1 Zoom Lesson	Learning Objective: • To calculate moving averages
	<ul> <li>Intended Learning Outcome:</li> <li>By the end of the lesson students will be able to</li> <li>To calculate moving averages.</li> </ul>
Task	Sums from the concept assigned for practice.
Resources	Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book, PPT
Lesson 2 Zoom lesson	<ul> <li>Learning Objective:</li> <li>To plot and interpret scatter graphs</li> <li>To determine whether or not there is a linear relationship between two variables.</li> <li>To draw a line of best fit on a scatter graph</li> <li>To use the line of best fit to predict values.</li> </ul>
	<ul> <li>Intended Learning Outcome:</li> <li>By the end of the lesson students will be able to <ul> <li>To plot and interpret scatter graphs</li> <li>To determine whether or not there is a linear relationship between</li> </ul> </li> </ul>

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	two variables.
	• To draw a line of best fit on a scatter graph
	• To use the line of best fit to predict values.
Task	Sums from the concept assigned for practice.
	Text Book – Edexcel GCSE ( 9-1 )Mathematics Higher Student Book.
Resources	PPT
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Lesson 3	Learning Objective:
Zoom Lesson	
	To plot and interpret scatter graphs
	• To determine whether or not there is a linear relationship between
	two variables.
	<ul> <li>To draw a line of best fit on a scatter granh</li> </ul>
	• To uraw a fine of best fit to use dist malant
	• 10 use the line of best fit to predict values.
	Intended Learning Outcome:
	By the end of the lesson students will be able to
	<ul> <li>To plot and interpret scatter graphs</li> </ul>
	<ul> <li>To provide interprovide scatter graphs</li> <li>To determine whether or not there is a linear relationship between</li> </ul>
	• To determine whether of not there is a linear relationship between
	two variables.
	• To draw a line of best fit on a scatter graph
	• To use the line of best fit to predict values.
- ·	Sums from the concept assigned for practice.
Task	
	Text Book - Edescel CCSE ( 9-1 ) Mathematics Higher Student Book
Resources	DDT
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Lesson 4 Zoom lesson	<ul> <li>Learning Objective:</li> <li>To plot graphs with equations ax + by = c</li> <li>To sketch graphs using the gradient and intercepts</li> <li>To find the gradient of a line through two points</li> <li>To find the equation of a line given its gradient and one point on the line.</li> </ul>
	<ul> <li>Intended Learning Outcome: By the end of the lesson students will be able to</li> <li>To plot graphs with equations ax + by = c</li> <li>To sketch graphs using the gradient and intercepts</li> <li>To find the gradient of a line through two points</li> <li>To find the equation of a line given its gradient and one point on the line.</li> </ul>
Task	Sums from the concept assigned for practice.
Resources	Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book, PPT
Lesson 5 Zoom Lesson	<ul> <li>Learning Objective:</li> <li>To plot graphs with equations ax + by = c</li> <li>To sketch graphs using the gradient and intercepts</li> <li>To find the gradient of a line through two points</li> <li>To find the equation of a line given its gradient and one point on the line.</li> </ul> Intended Learning Outcome: By the end of the lesson students will be able to <ul> <li>To plot graphs with equations ax + by = c</li> <li>To sketch graphs using the gradient and intercepts</li> <li>To find the gradient of a line through two points</li> </ul>
Task	Sums from the concept assigned for practice.

Resources	Text Book – Edexcel GCSE ( 9- 1 )Mathematics Higher Student Book, PPT
Lesson 6	Learning Objective:
Google	<ul> <li>To plot and interpret scatter graphs</li> </ul>
Classroom	• To draw a line of best fit on a scatter graph
	<ul> <li>Intended Learning Outcome:</li> <li>By the end of the lesson students will be able</li> <li>To plot and interpret scatter graphs</li> <li>To draw a line of best fit on a scatter graph</li> <li>To use the line of best fit to predict values.</li> </ul>
Task	Sums from the concept assigned for practice from Active Learn.
Resources	Text Book – Edexcel GCSE (9-1)Mathematics Higher Student Book, PPT