YEAR 9 – MATHEMATICS FEBRUARY 2021

Subject	**Mathematics**
Class/ Section	**Year 9 A-F**
Week	**14th February to 18th February**
Work send to students by	**Class Group email / Google classroom / Zoom**
Total number of lessons per week	**6**
Concepts	**Unit 6.3 – Graphing rates of change** **Unit 6.4 – Real life graphs** **Unit 6.5 Line Segments**
Lesson 1 **Zoom Lesson**	**Learning Objective:** • **To draw and interpret distance - time graphs.** • **To calculate average speed from a distance – time graph.** • **To understand velocity – time graphs.** • **To find acceleration and distance from velocity time graphs.** **Intended Learning Outcome:** **By the end of the lesson students will be able to** • **To draw and interpret distance - time graphs.** • **To calculate average speed from a distance – time graph.** • **To understand velocity – time graphs.** • **To find acceleration and distance from velocity time graphs.**
Task	**Sums from the concept assigned for practice.**
Resources	**Text Book – Edexcel GCSE (9- 1)Mathematics Higher Student Book, PPT**
Lesson 2 **Zoom lesson**	**Learning Objective:** • **To draw and interpret distance - time graphs.** • **To calculate average speed from a distance – time graph.** • **To understand velocity – time graphs.** • **To find acceleration and distance from velocity time graphs.** **Intended Learning Outcome:** **By the end of the lesson students will be able to**

	• **To understand velocity – time graphs.** • **To find acceleration and distance from velocity time graphs.**
Task **Resources**	**Sums from the concept assigned for practice.** **Text Book – Edexcel GCSE (9- 1)Mathematics Higher Student Book, PPT**
Lesson 3 **Zoom Lesson**	**Learning Objective:** • **To draw and interpret real – life linear graphs.** • **To recognise direct proportion.** • **To draw and use a line of best fit** **Intended Learning Outcome:** **By the end of the lesson students will be able to** • **To draw and interpret distance - time graphs.** • **To calculate average speed from a distance – time graph.** • **To understand velocity – time graphs.** • **To find acceleration and distance from velocity time graphs.**
Task **Resources**	**Sums from the concept assigned for practice.** **Text Book – Edexcel GCSE (9- 1)Mathematics Higher Student Book, PPT**
Lesson 4 **Zoom lesson**	**Learning Objective:** • **To draw and interpret real – life linear graphs.** • **To recognise direct proportion.** • **To draw and use a line of best fit** **Intended Learning Outcome:** **By the end of the lesson students will be able to** • **To draw and interpret real – life linear graphs.** • **To recognise direct proportion.** • **To draw and use a line of best fit**
Task	**Sums from the concept assigned for practice.**

Resources	**Text Book – Edexcel GCSE (9- 1)Mathematics Higher Student Book, PPT**
Lesson 5 **Zoom Lesson** **Task** **Resources**	**Learning Objective:** • **To find the coordinates of the midpoint of a line segment.** • **To find the gradient and length of a line segment** • **To find the equations of lines parallel or perpendicular to a given line.** **Intended Learning Outcome:** **By the end of the lesson students will be able to** • **To find the coordinates of the midpoint of a line segment.** • **To find the gradient and length of a line segment** • **To find the equations of lines parallel or perpendicular to a given line.** **Sums from the concept assigned for practice.** **Text Book – Edexcel GCSE (9- 1)Mathematics Higher Student Book, PPT**
Lesson 6 **Google Classroom** **Task** **Resources**	**Learning Objective:** • **To draw and interpret distance - time graphs.** • **To calculate average speed from a distance – time graph.** • **To find acceleration and distance from velocity time graphs.** • **To draw and interpret real – life linear graphs.** **Intended Learning Outcome:** **By the end of the lesson students will be able** • **To draw and interpret distance - time graphs.** • **To calculate average speed from a distance – time graph.** • **To find acceleration and distance from velocity time graphs.** • **To draw and interpret real – life linear graphs.** **Sums from the concept assigned for practice.** **Text Book – Edexcel GCSE (9- 1)Mathematics Higher Student Book, PPT**