YEAR 9 – MATHEMATICS NOVEMBER 2020

Subject	Mathematics
Class/ Section	Year 9 A-F
Week	22nd November to 26th November
Work send to students by	Class Group email / Google classroom / Zoom
Total number of lessons per week	6
Concepts	Unit 4.2 – Ratios Unit 4.3 – Ratio and Proportion Unit 3.5 – Averages and Range Unit 3.6 – Statistical diagrams 2 Revision topic – Unit 3.5 Averages and Range
Lesson 1 Zoom Lesson	**Learning Objective:** • Write ratios in the form 1:n or n:1 • Compare ratios • Find quantities using ratios • Solve problems involving ratios **Intended Learning Outcome:** **By the end of the lesson students will be able to** • Write ratios in the form 1:n or n:1 • Compare ratios • Find quantities using ratios • Solve problems involving ratios
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:** • Write ratios in the form 1:n or n:1 • Compare ratios • Find quantities using ratios • Solve problems involving ratios

	Intended Learning Outcome: **By the end of the lesson students will be able to** • **Write ratios in the form 1:n or n:1** • **Compare ratios** • **Find quantities using ratios** • **Solve problems involving ratios**
Task	**Sums from the concept assigned for practice.**
Resources	**Text Book – Edexcel GCSE (9- 1)Mathematics Higher Student Book, PPT**
Lesson 3 **Zoom Lesson**	**Learning Objective:** • **To convert between currencies and measures** • **To solve problems involving ratios and proportion.** **Intended Learning Outcome:** **By the end of the lesson students will be able to** • **To convert between currencies and measures** • **To solve problems involving ratios and proportion.**
Task	**Sums from the concept assigned for practice.**
Resources	**Text Book – Edexcel GCSE (9- 1)Mathematics Higher Student Book, PPT**
Lesson 4 **Zoom Lesson**	**Learning Objective:** • **To work out percentage increases and decreases** • **Solve real – life problems involving percentages.** • **Calculate using fraction, decimals and percentages.** • **Convert a recurring decimal to a fraction.** **Intended Learning Outcome:** **By the end of the lesson students will be able to** • **To work out percentage increases and decreases**

	• Solve real – life problems involving percentages. • Calculate using fraction, decimals and percentages. • Convert a recurring decimal to a fraction.
Task	Sums from the concept assigned for practice.
Resources	Text Book – Edexcel GCSE (9- 1)Mathematics Higher Student Book, PPT
Lesson 5 Zoom Lesson	**Learning Objective:** • To estimate the mean and range from a grouped frequency table • To find the modal class • To construct and use two – way tables **Intended Learning Outcome:** **By the end of the lesson students will be able to** • To estimate the mean and range from a grouped frequency table • To find the modal class • To construct and use two – way tables •
Task	Sums from the concept assigned for practice from Active Learn.
Resources	Text Book – Edexcel GCSE (9- 1)Mathematics Higher Student Book, PPT
Lesson 6 Google Classroom	**Learning Objective:** • To work out the mean median mode and range. **Intended Learning Outcome:** **By the end of the lesson students will be able to** • To work out the mean median mode and range
Task	Sums from the concept assigned for practice.
Resources	Text Book – Edexcel GCSE (9- 1)Mathematics Higher Student Book, PPT