YEAR 9 – MATHEMATICS MARCH 2021

Subject	Mathematics
Class/ Section	Year 9 A-F
Week	21st March to 25th March
Work send to students by	Class Group email / Google classroom / Zoom
Total number of lessons per week	6
Concepts	Unit 5.6 – Trigonometry 1 Unit 5.7 – Trigonometry 2 Unit 10.1 – Combined events (Revision) Unit 10.2 – Mutually exclusive events(Revision) Unit 10.3 – Experimental Probability(Revision) Unit 10.4 – Independent events and tree diagrams
Lesson 1 Zoom Lesson	**Learning Objective:** • **To use trigonometric ratios to find lengths in a right- angled triangle.** • **To use trigonometric ratios to calculate an angle in a right – angled triangle.** • **To use trigonometric ratios to solve problems.** **Intended Learning Outcome** **By the end of the lesson students will be able to** • **To use trigonometric ratios to find lengths in a right- angled triangle.** • **To use trigonometric ratios to calculate an angle in a right – angled triangle.** • **To use trigonometric ratios to solve problems.**
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 find angles of elevation and angles of depression.** • **To use trigonometric ratios to solve problems.** **Intended Learning Outcome:** **By the end of the lesson students will be able to** • **To find angles of elevation and angles of depression.** • **To use trigonometric ratios to solve problems.**
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 list all the possible outcomes of two events in a sample space diagram.** • **To identify mutually exclusive outcomes and events** • **To find the probabilities of mutually exclusive outcomes and events.** **Intended Learning Outcome:** **By the end of the lesson students will be able to** • **To list all the possible outcomes of two events in a sample space diagram.** • **To identify mutually exclusive outcomes and events** • **To find the probabilities of mutually exclusive outcomes and events.**
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 find the probability of an event not happening.** • **To work out the expected results for experimental and theoretical probabilities.** **Intended Learning Outcome** **By the end of the lesson students will be able to** • **To find the probability of an event not happening.** • **To work out the expected results for experimental and theoretical probabilities.** **.**
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 draw and use frequency trees.** • **To calculate probabilities of repeated events.** • **To draw and use probability tree diagrams.** **Intended Learning Outcome** **By the end of the lesson students will be able to** • **To draw and use frequency trees.** • **To calculate probabilities of repeated events.** • **To draw and use probability tree diagrams.**
Task	**Sums from the concept assigned for practice.**
Resources	**Text Book – Edexcel GCSE (9- 1)Mathematics Higher Student Book, PPT**
Lesson 6 **Google Classroom**	**Learning Objective:** • **To use trigonometric ratios to find lengths in a right- angled triangle.**

	• **To use trigonometric ratios to calculate an angle in a right – angled triangle.** • **To use trigonometric ratios to solve problems.** **Intended Learning Outcome** **By the end of the lesson students will be able to** • **To use trigonometric ratios to find lengths in a right- angled triangle.** • **To use trigonometric ratios to calculate an angle in a right – angled triangle.** • **To use trigonometric ratios to solve problems.**
Task	**Sums from the concept assigned for practice from Active learn.**
Resources	**Text Book – Edexcel GCSE (9- 1)Mathematics Higher Student Book, PPT**