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| <p>Skills, Knowledge and Understanding to be developed:</p> <ul style="list-style-type: none"> Students will develop their Probability & Statistics SKILLS. Students will use their KNOWLEDGE of Theoretical Probability, Sample Space Diagrams, Probability Venn Diagrams, and Statistical Measures. Students will demonstrate their UNDERSTANDING by answering a range of GCSE style questions relating to real-life problems. | | | <p>Google Classroom Code</p> |
| <p>Week 1 - Learning Outcomes: Students will be able to use the terms likely, equally likely, unlikely, impossible, and certain when describing probability.</p> <p>Students will be able to use and understand the probability scale from 0 to 1.</p> <p>Students will be able to express probability as a fraction, decimal, or percentage.</p> | | <p>Success criteria Can use and apply their understanding of <u>Theoretical Probability</u> to GCSE style questions.</p> | |
| <p>Week 2 - Learning Outcomes: Students will be able to use the fact that the probability of an event not occurring is $1 - \text{the probability that it occurs}$.</p> <p>Students will be able to understand that the total probability of all possible outcomes of an experiment is 1.</p> | <p>Assessment →</p> <p>APP1</p> | <p>Success criteria APP1: GCSE Skills</p> <p>Mark:</p> | <p>Homework 1 Theoretical Probability ____ / 12 marks</p> |
| <p>Week 3 - Learning Outcomes: Students will be able to systematically list outcomes of a combination of events.</p> <p>Students will be able to use sample space diagrams to calculate probabilities.</p> | | <p>Success criteria Can use and apply their understanding of <u>Sample Space Diagrams</u> to GCSE style questions.</p> | |
| <p>Week 4 - Learning Outcomes: Students will be able to construct and interpret Venn diagrams.</p> <p>Students will be able to use Venn Diagrams to calculate probabilities.</p> | <p>Assessment →</p> <p>APP2</p> | <p>Success criteria APP2: GCSE Skills</p> <p>Mark:</p> | <p>Homework 2 Sample Space & Venn Diagrams ____ / 9 marks</p> |
| <p>Week 5 - Learning Outcomes: Students will be able to calculate the mean, median, mode and range for ungrouped data (<i>including in problem form</i>).</p> <p>Students will be able to calculate the mean, median, mode and range of ungrouped frequency distributions (<i>in tables</i>).</p> | <p>Assessment →</p> <p>SA</p> | <p>Success criteria SA: Summative Assessment</p> <p>Mark:</p> | <p>Homework 3 Revise for Assessment (SA)</p> |
| <p>Week 6 - Learning Outcomes: Students will have an opportunity to re-visit areas of weaknesses from this half term based on their Summative Assessment results.</p> | | | |