



<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 Tree Diagrams, Statistical Measures & Statistical Diagrams Students will demonstrate their UNDERSTANDING by answering a range of GCSE style questions relating to real-life problems. 			<p>Google Classroom Code</p> <hr/>
<p>Week 1 - 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>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 systematically list outcomes of a combination of events.</p> <p>Students will be able to sample space diagrams to calculate probabilities.</p>	<p>Assessment </p> <p>APP1</p>	<p>Success criteria APP1: GCSE Skills</p> <p>Mark:</p>	<p>Homework 1</p> <p>Theoretical Probability & Sample Space _____ / 10 marks</p>
<p>Week 3 - Learning Outcomes: Students will be able to construct and interpret tree diagrams.</p> <p>Students will be able to use tree diagrams to calculate probabilities.</p>		<p>Success criteria Can use and apply their understanding of <u>Probability Tree Diagrams</u> to GCSE style questions.</p>	
<p>Week 4 - 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 adjust the mean, median, mode and range when data is added or taken away.</p>	<p>Assessment </p> <p>APP2</p>	<p>Success criteria APP2: GCSE Skills</p> <p>Mark:</p>	<p>Homework 2</p> <p>Tree Diagrams & Statistical Measures _____ / 11 marks</p>
<p>Week 5 - Learning Outcomes: 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</p> <p>Revise for Assessment (SA)</p>
<p>Week 6 - Learning Outcomes: Students will be able to construct and interpret grouped frequency diagrams and frequency polygons.</p>			