



## Subject: **Maths - Higher**

### Year 11 First Mock

#### Revision Topics

##### **Paper 4 Higher Calculator Paper**

- % increase and decrease
- Ratio
- Simple interest
- Standard Form
- Grouped Mean
- Drawing graphs
- Area of a circle
- Forming algebraic equations
- Venn diagrams and probability
- Transformations
- Composite functions
- Proportionality
- Tree diagrams
- Circle geometry
- Trial and Improvement
- Velocity/ Time graphs
- Sine, cosine rules and area of a triangle using  $\frac{1}{2}ab\sin C$

##### **Paper 5 Higher Non- Calculator Paper**

- Fractions
- Angles in parallel lines
- Volume of a prism
- Scattergraphs
- Ratio
- Density
- Interior and exterior angles of polygons
- Proportionality
- Sequences
- Exact values in trigonometry
- Inequalities and regions
- Factorisation
- Solving equations
- Indices ( negative and fractional)
- Recurring decimals
- Vectors
- Probability