Maths Year 11 November Mocks

Higher Tier Calculator paper

- Using a scientific calculator
- Area (trapezium and triangle)
- Using algebra
- Pie charts
- Interior and exterior angles
- Power (negatives)
- Using multipliers for % change
- Ratio
- Direct proportion
- Tree diagrams
- Circle geometry
- Parallel lines
- Composite functions
- Arcs and sectors
- Solving quadratics (factorising and completion of the square)
- Lower and upper bounds
- Box plots
- Velocity/ time graphs
- Surds

Higher tier Non-Calculator paper

- Division of decimals
- Probability from a sample space diagram
- Speed
- Scattergraphs
- Loci
- Density
- Fractions
- Proportionality
- SUVAT
- Using expressions
- Column vectors
- Compound interest
- Nth term
- Solving a quadratic Inequality
- Expanding triple brackets
- Similar shapes
- Recurring decimals
- Volume (spheres and cones)
- Transformations
- Sine and cosine rule
- Higher level simultaneous equations
- Venn diagrams and probability