**Year 11 Mock Exam Topic List**

# **Sets**

Sets, including notation and operations up to three sets

Venn diagrams

# **Networks**

Networks - edges and arcs, nodes/vertices

Weighted Networks

Network pathways

# **Measuration**

Upper and lower bounds

Area, Volume and Capacity (additional shapes)

# **Algebra**

Rearranging algebraic expressions

Indices

Fractional indices

Equations/Simultaneous

Inequalities

Algebraic fractions

Arithmetic and Geometric sequences and series

# **Statistics**

Standard deviation

Histograms for continuous fixed interval groups

Correlation, quantitative handling, using technology

Cumulative frequency

Measures of central tendency and spread

Volume and Capacity (additional shapes)

# **Number**

Surds

Irrational numbers and absolute values

Proportion

Absolute value

Upper and lower bounds

# **Straight Line Graphs**

Coordinate Geometry

Equation of a line

Midpoint

Distance between two points

Straight line graphs

# **Geometry**

Trigonometry in right-angled triangles

Sine & Cosine Rule

Area of a triangle

Circle geometry

Circle theorems

# **Functions**

Domain & Range

Evaluating functions

Transformation of quadratics