

For some of our students, formal exams have been something they have not completed regularly or at all. We are aware that all students have had significant disruption over the last two years. In order to support you to support them effectively at home, we would like to give you the following information:

The Topics your child will be tested on are:

PAPER 1 – NON-CALCULATOR

- Inequalities
- Using fractions, percentages and ratio
- Standard form
- Angles in a polygon
- Quadratic graphs
- Density and volume
- Frequency tables – estimate of the mean
- Surface area
- Cumulative frequency graphs
- Probability and fractions
- Recurring decimals into fractions
- Probability
- Fractional and negative indices
- Solve algebraic equations

PAPER 2 – CALCULATOR

- Simplifying algebra, expanding brackets and factorising
- Transformations – rotations, enlargements (negative)
- Error intervals
- Proportion
- Co-ordinates
- Ratio
- Percentages – depreciation
- Proportion – currency conversion
- Use of a calculator
- Pressure
- Box plots and comparing distributions
- Inverse proportion
- Gradient of a straight line graph
- Populations – capture recapture method
- Equations of proportion
- Venn diagrams and probability
- Volume of a composite solid
- Quadratic inequalities

PAPER 3 – CALCULATOR

- Pythagoras
- Algebra – substitution
- Algebra – changing the subject of the formula
- Equations of proportion or ratio to fraction
- Percentage decrease, comparing costs
- Frequency polygons
- Speed, distance and time
- Form and solve an equations
- Real life graphs and gradient of a line
- Laws of indices
- Reverse percentage
- Product rule for counting
- Trigonometry
- Factorising algebra, difference of 2 squares
- Expanding 3 sets of brackets
- Upper and lower bounds
- Histograms
- 3D trigonometry
- Algebraic fractions
- Iteration
- Probability

Recommended revision sites/resources:

- Maths Genie
- MyMaths
- Hegarty Maths
- Corbett Maths
- Maths genie – past exam papers
- DR. Frost Maths

Hints and Tips:

- The best way to revise for Maths is to work on practice questions. The past papers will help – see Mathsgeenie for papers, solutions and videos
- Students should always ask their class teacher if they need support or guidance with any aspect of their revision. They can do this in person or by email
- Students should ensure they have all Mathematical equipment for assessments including; calculator, ruler, protractor, pair of compasses.

All Y11 mock exams will take place between Tuesday 11th October and Friday 4th November