

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

- Changing units of measurement
- Algebra – simplifying, substitution, solving inequalities
- Graphs – drawing and solving quadratic graphs
- Sequences of shapes
- Reflections
- Ordering numbers, number value, negative numbers
- Product of prime factors
- Pictograms, bar charts, stem and leaf diagrams
- Problem solving including real life money question
- Fractions
- Problem solving involving ratio, percentages and fractions
- Standard form
- Angles in a ploygon
- Probability
- Estimations
- Speed, distance and time
- Direct proportion – recipe questions
- Percentage increase
- Shape – plan and elevation
- Volume of a cylinder
- Exact trig values
- Drawing quadratic graphs

PAPER 2 – CALCULATOR

- Rounding, multiples, decimals, ordering numbers
- The mode, mean
- Polygons
- Parallel and perpendicular lines
- Coordinates
- Line graphs
- Angles in a triangle, perpendicular lines
- Function machines
- 2 way tables
- Frequency tables
- Scale
- Drawing straight line graphs
- Percentages
- Probability tree diagrams
- Algebra – expanding brackets and factorising
- Error intervals

PAPER 2 – CALCULATOR continued

- Percentage depreciation
- Proportion – currency

PAPER 3 – CALCULATOR

- Number work – percentages, fractions, factors, square root
- Algebra – simplifying, sequences, expanding brackets, factorising, solving equations, substitution, rearranging the formula, forming and solving an equation
- Changing units of compound measures
- Reverse percentages
- Speed distance and time
- Frequency polygons
- Ratio
- LCM
- Pythagoras
- Angles in parallel lines
- Rounding to significant figures
- Mean, median mode and range
- Calculator work
- Bearings
- Probability
- Prisms
- Shape and symmetry

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
- 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