

## **Y10 June Mock Topic List – Foundation Non - Calculator / Calculator**

### **End of Year Exams Y10**

Dear Y10,

You will sit both a paper 1 (non-calculator) and a paper 3 (calculator) for your end of year exams. With these mocks you will have seen all the three types of papers that you will sit for your exams at the end of Y11. Below you will find the topics you can revise for your end of year exams.

### **Paper 1 (Non-Calculator) and Paper 3 (Calculator)**

- Rounding
- Identifying place value
- Simplifying expressions
- Order of operations
- Four operations with fractions/mixed numbers/decimals
- Index laws
- Forming and solving equations
- Identifying square/cube/prime numbers/factors and multiples
- Working with pictograms
- Money problems – best buy/left over change
- Probability scales
- Finding the nth term of a sequence
- Calculating bearings
- Fractions, percentages, decimals and ratios – problem solving
- Ordering fractions/decimals/percentages
- Using formulae and formulae calculations
- Angle rules: triangles, vertically opposite, around a point and parallel lines
- Transformations: enlargement, rotation, reflection and translation
- Interpreting compound bar charts
- Problem solving involving time
- Midpoint of a line segment
- Perimeter problem solving
- Product of prime factors
- Frequency tree and probabilities
- Loci of points
- Changing the subject of the formulae
- Calculating probability involving algebra and estimation
- Converting metric units linear, area and volume
- Problem solving with LCM
- Pressure/force/area questions
- Turning points of quadratic graphs
- Compound interest calculations
- Angle rules in a trapezium
- Trigonometric ratios

### **Y10 June Mock Topic List – Foundation Non - Calculator / Calculator**

- Solving inequalities and quadratics

This time you will sit Paper 1 and Paper 3. Please read them carefully and if you have any questions about a specific topic, please ask your Maths teacher. Each paper is 90 minutes, and you will sit these exams in the sport hall.

The equipment you need for each paper is as follows:

#### **Paper 1 - Non-Calculator**

- pen
- pencil
- sharpener
- eraser
- ruler
- protractor
- compass

#### **Paper 3 - Calculator**

- Scientific calculator - <https://www.casio.co.uk/calculators/education/scientific>
- pen
- pencil
- sharpener
- eraser
- ruler
- protractor
- compass

Y10 Maths Assessments are taking place on the Week commencing 19th June 2023. These assessments are set changing.