

## Higher (March mocks)

### Paper 1

- Solving inequalities
- Product of primes
- Multi step Fraction, percentage, ratio
- Standard form
- Angles in polygons
- Plotting quadratic graphs
- Density, Mass, Volume
- Mean from grouped frequency tables
- Surface area of compound cuboids
- Cumulative frequency
- Ratio to fraction problems
- Recurring decimals to fractions
- Problem solving with Pythagoras and circles in context
- Gradient of curves
- Vector proof
- Independent probability
- Combined inverse and direct proportion equations
- Multi step laws of indices (negative fractional)
- Adding algebraic fractions leading to quadratic formula
- Equation of a tangent to a circle
- Trigonometric area of a triangle

### Paper 2

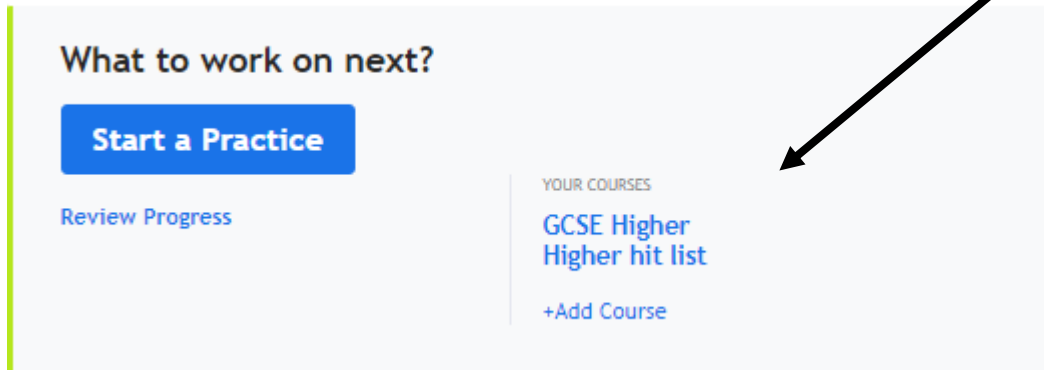
- Laws of indices
- Expanding and simplifying single brackets
- Linear factorising
- Describing transformations
- Error intervals
- Ratio in context
- Compound depreciation
- Currency conversion
- Using a calculator
- Reverse Pressure, Force, Area
- Drawing and interpreting box plots
- Worded inverse proportion
- Equation of parallel lines
- Negative enlargement
- Capture recapture
- Comparing ratios
- Venn diagrams including probability
- Reverse volume of compound 3D shape
- Combine sine and cosine rule
- Functions and inverse composite functions
- Circle theorems
- Transforming graphs
- Solving quadratic inequalities

### Paper 3

- Pythagoras
- Substitution with negatives
- Rearranging formulae
- Forming and solving equations with ratio
- Best buys
- Critiquing a frequency polygon
- Speed, Distance, Time
- Area of a trapezium using algebra
- Gradient of a line
- Compound laws of indices
- Compound reverse percentages
- Product rule/combinations
- Multi step trigonometry
- Calculating with vectors
- Factorising the difference of 2 squares
- Expanding triple brackets
- Proving similarity
- Calculating with bounds
- Drawing histograms
- 3D trigonometry
- Subtracting algebraic fractions
- Iteration
- Dependent probability with proof

## How to revise?

Log into Dr Frost and you will see an option for your courses.



Select the course and you will see every subtopic of the maths GCSE for you to browse through and pick and choose what you would like to revise. Use the QLA you got at parents evening along with the revision list to prioritise certain topics. Email your teacher if you need any further guidance.