

# Maths Prediction Lists for Paper 3

These are topics that have not yet been tested so are likely to be tested on the next paper.

This is not a full list, but should help target some revision.

**The topics in bold are topics we would REALLY expect to be tested.**

Remember: anything that has already been on can also be tested.

## Higher

Trigonometry

**Histograms**

Percentages

**Reverse percentages**

**Compound interest**

Quadratic sequences – find the nth term

Speed, Distance, Time

**Averages from tables**

**Solving equations**

**Quadratic formula**

**Completing the square**

Proportion

$Y=mx + c$

Shading regions on a graph

**Pythagoras' theorem & 3D Pythagoras**

Simultaneous equations

**Vectors**

Angles facts and angles in polygons

**Proof**

**Circle theorems**

Sums with standard form

Circles – area and circumference, arcs and sectors.

Product of prime factors

Estimation

**Expanding and factorising**

3D shapes – Cones, frustums

**Iteration**

Sketching graphs – Cubic, reciprocal exponential etc

Velocity time graphs – estimating distance and acceleration

Bearings

Frequency Trees

Scatter diagrams and lines of best fit

Revision on Saturday 9<sup>th</sup> June 9-12

North Building

(preparing for Paper 3 – bring your calculator)

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## Foundation

**Trigonometry**

**Pythagoras**

Indices/ Powers

Parallel line facts

Speed, Distance, Time

Density, Mass, Volume

**Percentages**

**Reverse percentages**

**Compound interest**

**Vectors**

**Averages from tables**

Solving equations

Similarity and congruence

Circles – area, arcs and sectors.

Product of prime factors

**nth term of a sequence**

Expanding and factorising

**Trial and Improvement**

Sketching graphs – Cubic, reciprocal etc

**Frequency trees**

Pie charts

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