# GCSE Maths – Important topics to revise Higher tier

| Number | Geometry |
|---|---|
| Percentages<br>Surds<br>Upper and Lower Bounds<br>Ratio and proportion | Pythagoras<br>Trigonometry (inc. Sine and Cosine rules and area of triangle)<br>Circle Theorems<br>Similar Triangles<br>Vectors |
| **Algebra** | **Data** |
| Solving Equations<br>Quadratic Equations<br>Formulae and Rearranging<br>Graphs<br>Inequalities | Averages (including mean from frequency table and median using cumulative frequency)<br>Box Plots<br>Histograms<br>Probability Tree Diagrams<br>Venn Diagrams |

## Useful Websites

www.corbettmaths.com – Lots of practice questions and video guides for all the topics on both tiers of maths – no username or password needed

mathsapp.pixl.org.uk – Online system which has revision questions and some PowerPoint guides for topics. It also marks attempted questions automatically – Students should have their own login for this

www.pinpointlearning.co.uk – Individualised targets set for all students based on their results in previous tests, questions and revision videos available – Students should have their own login for this

# GCSE Maths – Important topics to revise Foundation tier

| **Number** | **Geometry** |
|---|---|
| Percentages<br>Factors, Multiples, Primes<br>Square Numbers<br>Fractions<br>Ratio and Proportion | Area and Perimeter<br>Volume<br>Angles<br>Pythagoras/Trigonometry |
| **Algebra** | **Data** |
| Simplifying Expressions<br>Expanding brackets/Factorising<br>Solving Equations<br>Changing the subject<br>Substation<br>$n^{th}$ term | Bar Charts<br>Pie Charts<br>Averages – Mean, Median, Mode, Range<br>Mean from a frequency table<br>Probability |

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