

Year 10 Maths Preview Sheet

Exam Board: Edexcel

Syllabus: 1MA1

Module 1

- Calculations, checking and rounding
- Indices, roots, reciprocals and hierarchy of operations
- Factors, multiples, primes, standard form and surds
- Algebra: the basics, setting up, rearranging and solving equations
- Sequences

Module 2

- Averages and range
- Representing and interpreting data and scatter graphs
- Fractions and percentages
- Ratio and proportion
- Polygons, angles and parallel lines
- Pythagoras' Theorem and trigonometry

Module 3

- Graphs: the basics and real-life graphs
- Linear graphs and coordinate geometry
- Quadratic, cubic and other graphs
- Perimeter, area and circles
- 3D forms and volume, cylinders, cones and spheres
- Accuracy and bounds

Module 4

- Transformations
- Constructions, loci and bearings
- Solving quadratic and simultaneous equations
- Inequalities
- Probability

Module 5

- Multiplicative reasoning
- Similarity and congruence in 2D and 3D
- Graphs of trigonometric functions
- Further trigonometry

Module 6

Revision of the year



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