



# YEAR 11 REVISION SESSIONS 2017

		MA8	MA7	MA3	MA5
		Grade 4/5	Grade 5/6	Grade 6/7	Grade 7+
WED	01-Feb	Prime Factor Decomposition Rules of Indices including index notation with algebra	Estimation Negative Indices  Fractional Indices (including negative indices)	Fractional Indices (including negative indices)  Simplifying Surds	Fractional Indices (including negative indices)  Rationalising denominators
WED	08-Feb	Finding the nth Term of a linear sequence Simplifying algebraic expressions: Expanding and factorising single and double brackets	Using product rule for counting Simplifying algebraic expressions: Expanding and factorising single and double brackets. Recognising the difference of two squares.	Product of 3 binomials Factorising $ax^2+bx+c$	nth term of a quadratic sequence Algebraic fractions: simplifying and solving equations
WED	15-Feb				
WED	22-Feb	Frequency trees & Venn diagrams  Plans & Elevations Transformations	Standard Form  Combining transformations	Percentages including reverse percentages  Circle Theorems	Percentages including reverse percentages  Function Notation $f(x)$ and $g(x)$
WED	01-Mar	Standard Form Pythagoras & Trig in 2D	Pythag & Trig in 2D	Pythag & trig including sine, cosine rules, exact values and trig graphs	Pythag & trig including sine, cosine rules, exact values and trig graphs
WED	08-Mar	Averages from tables Frequency polygons, pie charts, time series graphs, scatter diagrams, histograms with equal class intervals.	Frequency polygons, pie charts, time series graphs, scatter diagrams, histograms with equal class intervals.	Histograms of unequal widths	Histograms of unequal widths, using interpolation to find median.
WED	15-Mar	increase/decrease by a given percentage compound interest	Percentages including compound interest Construct and interpret cumulative freq, use it to find med and quartiles. Draw Box Plots and compare box plots.	Construct and interpret cumulative freq, use it to find med and quartiles. Draw Box Plots and compare box plots.	Construct and interpret cumulative freq, use it to find med and quartiles. Draw Box Plots and compare box plots.
WED	22-Mar	Solving Equations & Inequalities re-arranging formulae	Solving simultaneous equations re-arranging formulae	solving quadratics	solving quadratics solving simultaneous eqns: one linear, one non linear
WED	29-Mar	Ratio & Proportion inc Similar Shapes	Similarity direct and inverse proportion	Similarity direct and inverse proportion	quadratic inequalities direct and inverse proportion
WED	05-Apr				
WED	12-Apr				
WED	19-Apr	Angles (inc in a polygon) & Bearings	Angles in Polygons	$y=mx+c$ , interpreting gradients and y intercept	$y=mx+c$ , interpreting gradients and y intercept, calculating gradients and area under a graph.
WED	26-Apr	Area & Circumference of Circles Volume & Surface area of prisms Volume of spheres, cones, pyramids and frustrums.	Area & Circumference of Circles Volume & Surface area of prisms Volume of spheres, cones, pyramids and frustrums.	Congruence and Similarity	Congruence and Similarity