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# Chessington Maths Curriculum

## Year 11

**Number:** Financial calculations

**Data:** Probability Trees & Venn Diagrams

**SSM:** Arcs & sectors. Vol of prisms, cones & spheres. Trigonometry & vectors

**Algebra:** Gradients, rates of change, brackets, substitution, solving equations inc quadratics

**SSM:** Polygons

**Data:** Probability

**Algebra:** Simultaneous Equations & Graphs including quadratics

**Assessment:** preparation for End of Year Assessment

**SSM:** Volume & Surface Area of prisms

**Algebra:** Sequences

**SSM:** Pythagoras & 2D representation of 3D shapes

**Data:** Scatter Graphs & correlation. Pie Charts.

**SSM:** Scale factors & maps. Construction & loci

**Algebra:** Real life graphs, quadratics & inequalities

**Data:** Probability & Frequencies

## Year 10

**Assessment:** preparation for End of Year Assessment

**Algebra:** Coordinates and gradients

**SSM:** Transformations

**Data:** Probability

**Algebra:** Solving equations

**Number:** Fractions

**Data:** Collecting, representing & interpreting

## Year 9

**Number:** Place value, operations, BIDMAS & ratio

**SSM:** Angles, measuring & construction

**Algebra:** Function machines

**Problem Solving:** Questions using topics covered so far

**Number:** Negative Numbers & Ratio

**Data:** Collecting, representing & interpreting

**Number:** multiples, primes. Proportion

**SSM:** Scale drawings & area & perimeter

## Year 8

**Assessment:** preparation for End of Year Assessment

**Algebra:** Real life graphs

**Data:** Collecting, representing & interpreting

**SSM:** Polygons, parallel lines, Pythagoras & enlargement

**Number:** Ratio & proportion

**Algebra:** Using formulae, solving equations & linear graphs

## Year 7

**SSM:** Area, perimeter inc circles. Volume & surface area

**Number:** Prime factorisation

**Algebra:** Substitution

**SSM:** Angles, measuring & construction

**Data:** Calculating averages

**Number:** Fractions, decimals & percentages

## Year 6

**Algebra:** Constructing & solving equations

**Assessment:** preparation for End of Year Assessment

**Number:** Ratio & proportion

**Number:** Fractions, decimals & percentages

**Data:** Calculating averages

## Year 5

**Number:** Place value, decimals, mental calculations, estimations & negative numbers

**Algebra:** Using symbols, simplifying, substitution & solving equations

**SSM:** Area, perimeter, volume, co-ordinates & transformations

**SSM:** Angles, measuring & construction

**Number:** Indices, factors, multiples & primes

## Year 4

Welcome to Chessington School

## Transition