

Year 10 PLUS
Maths Summer Revision List

All Topics from Sept-May

ALGEBRA 5 Plus

Expand single bracket
Double brackets
Expand and factorise
Substitution into a formula including squared terms and negative numbers
Quadratic graphs
Inequalities and Numberlines

DATA 5 Plus

Questionnaire Design.
What is a good question?
Pie Chart Construction
Frequency Polygons
Stem and Leaf diagrams
Cumulative frequency tables
Cumulative frequency curves
Median, and IQR from a cumulative frequency curve
Box Plots aka Box and Whisker

NUMBER 5 Plus

Approximations
Decimal Places and Significant Places
Upper and Lower bounds of measurement
Percentage of something
Compound Interest

SHAPE 5 PLUS

Area of Trapezium, Parallelogram
Area of circles and semi-circles
Volume of cubes, cuboids
Volume of prisms
Density, Mass Volume formula
Volume of Prisms and Cylinders
Density Mass and Volume $D=M/V$
Pythagoras' Theorem
Distance between 2 points
Trigonometry

SHAPE 6 PLUS

Reflections
Rotations
Translations
Enlargements whole number SF
Enlargements fractional number SF
Enlargements negative number SF
Constructions
Loci

DATA 6 PLUS




Making Stem and Leaf diagrams
Using Stem and Leaf to get the Mode
Using Stem and Leaf to get the Median
Using Stem and Leaf to get the Range
Averages from a Frequency Table
Averages from a Grouped Freq. Table
Sum of Probabilities add to 1
Possibility Spaces
Probability Tree Diagrams

ALGEBRA 6 PLUS




Substitution of whole numbers, decimals, negative numbers into formula
Solving Equations 2 methods
the see-saw method
the opposite side/opposite sign method
Conversion Graphs
Travel Graphs
Speed= Distance/Time $s=d/t$
Simultaneous equations graphical
Simultaneous eqs by algebra
Change the subject
Simplify algebra with indices

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YEAR 10 PLUS TERM 1

		
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TERM 2

		
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TERM 3

		
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