

## Year 10 Maths Summer Revision List

### All Topics from Sept-May

#### ALGEBRA 5

Like terms eg  $5m + 3m$   
Multiply out a bracket eg  $3(4m+5)$   
Factorising  
Multiples  
Number patterns  
Nth term of a sequence  
Co-ordinates  
Drawing straight lines

#### DATA 5

Questionnaire Design.  
What is a good question?  
Pie Chart Construction  
Grouping Data  
then Frequency Diagrams  
Stem and Leaf diagrams

#### NUMBER 5

Approximations  
Decimal Places  
Estimations in calculations  
Conversion rates  
Kgs to lbs  
Miles to km  
Litres to pints  
Product of prime factors  
HCF and LCM

#### SHAPE 5

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

#### SHAPE 6

Reflections  
Rotations  
Translations  
Enlargements whole number SF  
Constructions  
Loci

#### DATA 6

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  
Sum of Probabilities add to 1  
Possibility Spaces

#### ALGEBRA 6

Substitution of whole numbers into formula  
Substitution of decimal numbers into formula  
Substitution of 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     $s=d/t$

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Then YEAR 10

This has videos that match the topics.

**YEAR 10 TERM 1**

ALGEBRA 5      DATA 5      NUMBER 5

**TERM 2**

SHAPE 5      SHAPE 6      DATA 6

**TERM 3**

ALGEBRA 6      NUMBER 6