

# Maths KS4 Foundation Subject Learning Journey



## Number 1

Calculation recap  
Fractions recap  
Decimals recap  
Estimation

## Percentages 1

Find a percentage  
Increase & decrease

## Number 2

Indices  
Roots & Powers  
Prime numbers  
HCF and LCM

## Algebra 1

Simplifying recap  
Brackets & factorising  
Linear equations  
Sequences

## Ratio & proportion 1

Ratio  
Proportion – recipes, currency, best buy

Year  
10

## Probability 1

Writing probabilities  
Two-way tables  
Frequency trees  
Mutually exclusive events

## Statistics 1

Representing Data  
Averages  
Scatter graphs

## Geometry 2

Transformations (reflection, rotation, translation, enlargement)  
Similarity

## Geometry 4

Pythagoras Theorem  
Construction and loci

## Geometry 1

Angle reasoning 1 - Angles in triangles, quadrilaterals, parallel lines

Year  
11

## Geometry 3

Areas, perimeters  
Circles and sectors  
Volume and surface area of 3D shapes

## Algebra 2

Drawing linear graphs

## Geometry 5

Circles recap  
Cylinders  
Polygons  
Pythagoras

## Algebra 4

Equations of Linear graphs

## Algebra 5

Quadratic graphs  
Quadratic equations

## Number 2

Numeracy recap  
Fraction recap

## Algebra 3

Recap skills  
Recap equations  
Inequalities  
Rearranging

GCSE  
Ready!

## Ratio and proportion

Ratio recap  
Proportion recap  
Compound interest and depreciation

## Geometry 6

Speed  
Plans & elevations  
Bearings

## Probability & Statistics 2

Frequency polygons  
Probability recap  
Tree diagrams

## Number 3

Indices  
Standard form

## Geometry 7

Density and pressure  
Accuracy and bounds  
Spheres and cones (E)  
Column vectors (E)  
Trigonometry (E)  
Algebra extension  
Cubic graphs (E)  
Simultaneous equations