Maths Learning Journey Map
Year 10 Higher
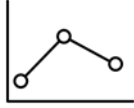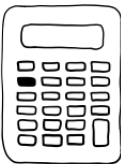
Move on to Year 11

Start Revision
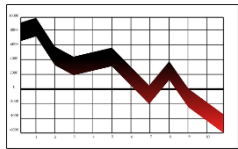
Next Level

YEAR 10

- Plotting linear graphs
- Using y=mx+c for straight lines graphs
- Linear inequalities and graphs
- Compound measures e.g. speed, density, pressure
- Pythagoras and trigonometry in 3D
- Sine and cosine rules
- Area of triangle sine rule
- Maps scales and bearings

YEAR 10

- Solving simultaneous equations graphically
- Solving equations graphically
- Solving Linear equations
- Solving quadratic equations by factorising
- Simultaneous equations using algebra
- Calculations with mixed numbers
- Recurring decimals
- Dividing decimals
- Scatter diagrams, outliers and correlation

- Index notation and the laws of indices
- Standard index form including calculations
- Exact calculations
- Exact angles for trigonometry i.e.. 30.45 and 60 degrees
- Surds
- Solving Linear inequalities
- Quadratic inequalities

YEAR 10

- Constructions and Loci
- Angles rules including parallel lines Angles in triangles and quadrilaterals
- Interior and exterior angles of polygons
- Simplifying ratios
- Sharing in a ratio and problem solving
- Direct proportion and Inverse proportion formulae and graphically
- Percentage change
- Using multipliers
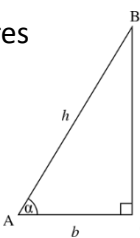- Growth and decay including compound interest
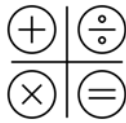
YEAR 10
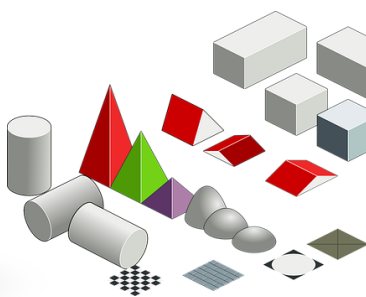
- Rounding using decimals place and significant figures
- Estimation using significant figures
- Upper and lower bounds
- Circles, sectors and arcs
- Surface area and volume
- Pythagoras's Theorem
- Trigonometry to find lengths and angles in right angles triangles
- Forming and solving equations
- Writing formulae

- Sampling
- Calculate the mode, median, mean and range for ungrouped and grouped data.
- Draw and interpret frequency polygons
- Box Plots, Cumulative Frequency and Histograms -Higher
- Interpret and construct line graphs for time series data, and identify trends
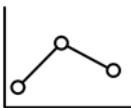
- Recap types of number
- Product of its prime factors.
- Find the HCF and LCM
- Simplify algebraic expressions including laws of indices
- Expand brackets
- Difference between two squares
- Factorise using common factors and quadratic expressions
- Substitute increasingly complex formulae
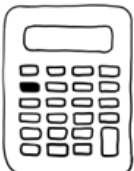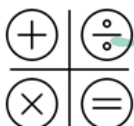- Rearrange formulae

YEAR 10
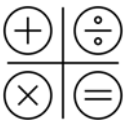
CURRICULUM OVERVIEW

welcome

CURRICULUM OVERVIEW