Year 10	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Content	**Averages** - Mean, mode, median, range from a list of data - MMMR from frequency table - Discrete and continuous data - Quartiles and inter-quartile range **Circles** - Area and circumference of a circle - Semi circles and sectors - Compound shapes **Ratio and exchange rates** - Writing ratios - Using ratios - Ratio and measures	**Statistical diagrams 1** - Two-way table - Frequency polygons - Grouped and ungrouped data - Comparisons - Scatter graphs - Capture/recapture **Surface area and volume** - Cubes, cuboids, prisms, cylinders, pyramids, cones, spheres, frustums.	**Fractions and surds** - Recap of calculations with fractions - Simplify surds - Calculating with surds - Rationalising **Equations and inequalities** -Forming and solving equations and inequalities - Solving simultaneous equations algebraically and graphically - Solving inequalities algebraically and graphically -Iteration	**Probability trees** - Systematic listing of outcomes - Calculating probability with and without replacement - Form and solve equations from probability problems **Real Life Graphs** - Distance-time graphs - Conversion graphs - Speed-time graphs - Interpreting gradient and area under a graph	**Statistical Diagrams 2** - Stem and leaf - Pie charts - Cumulative frequency diagrams - Box plots - Histograms **Formulae and functions** - Substitution - Rearranging - Function notation - Composite functions - Inverse functions	**Percentages** - Percentages review - Simple and compound interest - Percentage change after repeated changes - Finding original value **Transformations** - Symmetry; linear and rotational - Translation - Rotation - Reflection - Enlargement - Invariant points **Gap fill after Summer assessment**
Assessment	End of topic assessments in class	End of topic assessments in class End of term assessment covering all content taught so far this year	End of topic assessments in class	End of topic assessments in class End of term assessment covering all content taught so far this year	End of topic assessments in class	End of topic assessments in class End of term assessment covering all content taught so far this year

Homework	Weekly Sparx maths homework, due every Wednesday	Weekly Sparx maths homework, due every Wednesday	Weekly Sparx maths homework, due every Wednesday	Weekly Sparx maths homework, due every Wednesday	Weekly Sparx maths homework, due every Wednesday	Weekly Sparx maths homework, due every Wednesday