

KS3 Maths

Year 7			
	Topic Big Questions and length of study	Core knowledge and skills assessed	Checking Points
Autumn 1	How many bricks do you need to build the front of a house?	Multiplying and Dividing, BIDMAS, Rounding, Area and Perimeter	2
Autumn 2	How do I share 8 slices of pizza between 10 people?	Comparing Fractions, Mixed Numbers, Noticing Patterns	2
Spring 1	How do I work out the length of a park by knowing its area?	Simplifying Expressions, Substituting into Formulae, Solving Equations	2
Spring 2	How can I accurately create a symmetrical shape using?	Coordinates, Graphs, Symmetry, Reflection, Rotation, Real Life Graphs	2
Summer 1	How can I identify when a long-distance track runner will lap another?	Ratio, Factors and Multiples, Highest Common Factor, Lowest Common Multiple	2
Summer 2	Statistics Project	Averages, Charts, Graphs, Interpreting Data	1
Year 8			
	Topic Big Questions and length of study	Core knowledge and skills assessed	Checking Points
Autumn 1	How can I find the exact middle between two points without using a ruler?	Angles, using compasses, protractors, construction,	2
Autumn 2	How much cardboard would I need to make a shoebox?	Area and perimeter, volume of cuboids, congruency and ratio	2
Spring 1	What is the probability that a random student will like Coca Cola?	Probability, graphs and charts, averages, sampling, collecting data	2
Spring 2	How do I find how much wood I need to build a table?	Area of a circle, Indices, Standard Form	2
Summer 1	How can I show how much my phone bill will be with a graph?	Linking Equations and graphs, identifying gradients and intercepts, complex linear equations	2
Summer 2	Statistics Project	Averages, Charts, Graphs, Interpreting Data	1