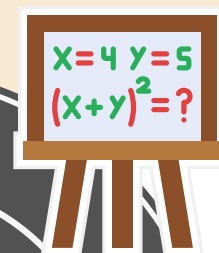




Year 11 Mathematics GCSE Foundation LTP



Autumn 1

Topic: Fractions (Number), Algebra 1

Why it's taught: To explore multiple interpretations of fractions. Conversion between fractions decimals and percentages To extend understanding of applying the four operations including fractions and mixed number To understand algebraic notations, simplifying expressions, substitution, expanding brackets and index laws in algebraic context.

Autumn 2

Topic: Geometry and measures, Ratio and Proportion

Why it's taught: To explore ratio notation, language, representations, contexts and other representations in order to develop deeper conceptual understanding of ratio and proportion. In Geometry and measures, to understand about angles, shapes, metric and imperial units, 2D and 3D shapes, area and perimeter of 2D shapes, Transformations

Spring 1

Topic: Handling Data, Number, Probability

Why it's taught: To understand, interpret and describe different types of data, Averages and spread. Percentages, Proportional change. To record, describe and analyse the frequency of outcomes of simple probability experiments, using appropriate language and representation.

Spring 2

Topic: Algebra 2, Number, Geometry & measures

Why it's taught: To understand coordinate grid, graphs, equations and inequalities, equation of line, volume and surface area. To find missing sides and angles of right angles triangle, Bearings, Loci and construction, compound measures. Different types of numbers, Prime factor decomposition, HCF and LCM, powers and roots and standard form

Summer 1

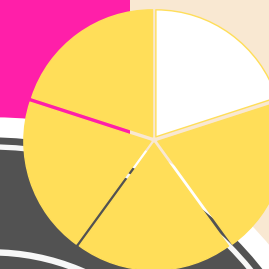
Topic: Revision

Why it's taught: To revisit, secure and stretch skills and knowledge of covered topics in preparation for exams.

Summer 2

Topic: Revision

Why it's taught: To revisit, secure and stretch skills and knowledge of covered topics in preparation for exams.



Learn

Achieve

Together