



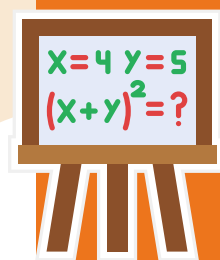
Year 9 Mathematics LTP



Autumn 1

Topic: Number System

Why it's taught: To recognise and solve problems involving negative and positive integers, rounding, calculations involving decimals by including real life contexts



Autumn 2

Topic: Algebra

Why it's taught: To build on the basic algebraic skills to simplify algebraic expressions, expanding and factorising, linear expressions, index laws, function machines, sequences



Spring 1

Topic: Geometry and measures

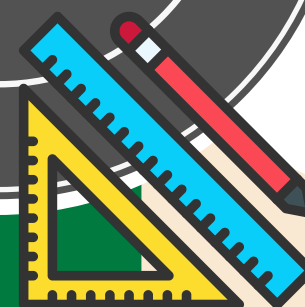
Why it's taught: Conversion between metric and imperial units. To identify properties of, and describe the results of, translations, rotations, reflections and enlargement. Properties of 2D and 3D shapes, to calculate perimeter and area of basic and compound 2D shapes.



Spring 2

Topic: Handling data

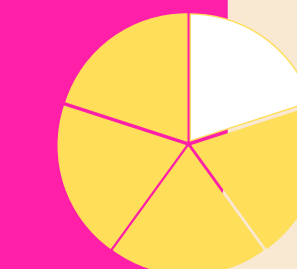
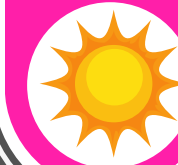
Why it's taught: To describe, interpret and compare observed distributions through appropriate graphical representation and appropriate measures and spread. To construct and interpret appropriate tables, charts, and diagrams, including frequency tables, bar charts, pie charts and pictograms



Summer 1

Topic: Ratio, Proportion and Number

Why it's taught: To build on the knowledge of ratio and proportion To develop their knowledge with fractions, decimals and percentages



Summer 2

Topic: Geometry / Measures & Probability

Why it's taught: To understand basic angle facts, measure, calculate and describe angles in parallel lines and polygons, Compound measures, bearings, maps and scale drawings Probability

Learn

Achieve

Together