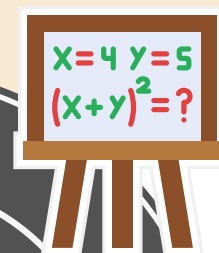




Year 7 Mathematics LTP



Autumn 1

Topic: Number System 1

Why it's taught: To experience a range of number and numeral systems to develop understanding of the place value.

To develop understanding of different models for addition, subtraction, multiplication and division.

Autumn 2

Topic: Number System and Algebra

Why it's taught: To develop understanding of factors, multiples and important set of numbers such as prime numbers, square numbers and cube numbers, negative and positive integers; order of operations. To develop understanding of basic algebra, being comfortable substituting constant values for variables.

Spring 1

Topic: Geometry and measures

Why it's taught: To analyse geometric properties of 2D and 3D shapes. Area and perimeter of 2D shapes.

To understand and describe different types of angles, drawing and measuring angles and angle facts.

Spring 2

Topic: Graphs, Probability

Why it's taught: To develop their understanding of the coordinate grid, horizontal and vertical lines, mid-points, coordinates and shapes, use knowledge from previous units to find area of shapes etc. Introduction to probability and vocabulary related to probability scale.

Summer 1

Topic: Number (Fractions and Percentages)

Why it's taught: To explore multiple interpretations and understanding involving fractions and percentages. Focus will be on the basic content.

Summer 2

Topic: Handling Data and Ratio and Proportion

Why it's taught: To understand and represent data, Average and Spread To explores ratio notation, language related with ratio and proportion.

Learn

Achieve

Together