

Subject: Maths

Homework: Weekly tasks set on Sparx Maths.

Year group	Term	Curriculum Focus
7	Autumn 1	Students are introduced to algebra, including writing expressions, substituting values and solving simple equations. They learn to recognise patterns and generate sequences confidently.
7	Autumn 2	Students strengthen core number skills, including ordering numbers and calculating accurately. They learn to estimate answers and find averages from data.
7	Spring 1	Students learn to present and interpret data using graphs. They develop confidence with fractions, decimals and percentages, including working with negative numbers.
7	Spring 2	Students calculate fractions and percentages of quantities in real-life contexts. They find the perimeter and area of a range of shapes.
7	Summer 1	Students solve problems involving speed, distance and time. They explore factors, multiples and prime numbers to deepen number understanding.
7	Summer 2	Students add and subtract fractions fluently. They study angle rules and the properties of polygons to strengthen geometric reasoning.
8	Autumn 1	Students develop understanding of ratio and proportion, including scale drawings. They strengthen algebra skills by simplifying expressions and manipulating formulae.
8	Autumn 2	Students learn to plot and interpret graphs and coordinates. They build fluency with multiplying and dividing fractions and explore symmetry in shapes.
8	Spring 1	Students calculate area and volume of shapes and solve problems involving density. They solve equations and inequalities and apply percentage skills to real-life contexts.
8	Spring 2	Students learn the rules of indices and apply them in calculations. They write and calculate with numbers in standard form.
8	Summer 1	Students interpret charts and graphs and present data clearly. They use angle rules in parallel lines and polygons to solve problems.
8	Summer 2	Students calculate probability using tables and diagrams. They study properties of circles and deepen their understanding of graphs and charts.
9	Autumn 1	Students strengthen number skills, including factors, multiples and number laws. They solve percentage problems and calculate area and volume of 2D and 3D shapes.
9	Autumn 2	Students solve equations and inequalities and rearrange formulae. They build fluency with fractions, rates of change and numbers written in standard form.

Year group	Term	Curriculum Focus
9	Spring 1	Students draw and interpret straight-line graphs. They solve problems involving ratio and proportion and explore similarity in shapes.
9	Spring 2	Students accurately construct triangles using geometric tools. They develop algebra skills by simplifying expressions and manipulating formulae.
9	Summer 1	Students apply Pythagoras' Theorem to solve geometric problems. They interpret and sketch non-linear graphs.
9	Summer 2	Students calculate probability using set notation and Venn diagrams. They describe and perform transformations including rotation, reflection and enlargement.
10	Autumn 1	Students strengthen algebra skills, including simplifying expressions and rearranging formulae. They solve linear and quadratic equations and inequalities confidently.
10	Autumn 2	Students solve complex percentage and ratio problems, including scale drawings. They build fluency with fractions and apply these skills in multi-step problems.
10	Spring 1	Students develop accurate non-calculator techniques. They draw and interpret straight-line graphs and calculate probability.
10	Spring 2	Students use estimation to check answers and round appropriately. They calculate perimeter, area and volume of increasingly complex shapes.
10	Summer 1	Students analyse and present data using charts and diagrams. They interpret non-linear graphs and apply angle rules in geometric problems.
10	Summer 2	Students interpret a range of graphs and use vectors to describe movement. They apply index laws and use Pythagoras' Theorem to solve right-angled triangle problems.
11	Autumn 1	Students will follow a bespoke curriculum that focuses on filling in gaps and then stretching learning, so they achieve their target grade. This is also aligned to the tier they are sitting.
11	Autumn 2	
11	Spring 1	
11	Spring 2	
11	Summer 1	
11	Summer 2	