

Curriculum Map - Maths

Curriculum Area: Maths - ratio and proportion

Curriculum Intent:

We want children to be competent mathematicians throughout their time at Hilldene and beyond. We promote enquiry and passion in all our learners to achieve proficiency of mathematical fluency in the four operations; addition, subtraction, multiplication and division.

We have chosen to implement a mastery approach, for the teaching of mathematics. Through the Discover section of the lessons, children will be confident to investigate different mathematical concepts encouraging collaboration and resilience. This will be achieved by using prior learning, taught mathematical vocabulary and strategies to enhance and develop curiosity.

We will produce logical thinkers who can problem solve efficiently and apply their skills to real life situations outside of the classroom environment.

	EYFS Number	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Ratio and proportion							Unit outcome:
							Skills
							To apply scale factors in context to maps and shapes. To calculate amounts from a given ratio, including totals and parts of groups
							Knowledge
							To find the difference between unequal parts of a group. To be able to describe and record ratios using the correct mathematical notation, and relate them to fractions. Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison Solve problems involving similar shapes where the scale factor is known or can be found.
Key vocabulary							

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		Ratio, proportion, part, whole, scale, scale factor, similar, notation
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