Our Mathematics curriculum aims to ensure all pupils:

- Our Maths curriculum aims to ensure that all pupils:

- Become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.

- Reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language

- Can solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

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	Autumn 1		Autumn 2
Introduction to Maths at Garden Suburb Junior School Week 1 Unit 1 Weeks 2-4 Place Value Unit 2 Weeks 5-8 Addition and Subtract	• To represent numbers to 100 • To partition numbers to 100 • To use a number line to 100 • To recognise hundreds • To represent numbers to 1000 • To partition numbers to 1000 • To recognise hundreds, tens and ones • To find 1, 10 or 100 more or less • To use a number to 1000 • To estimate on a number line to 1000 • To order numbers to 1000 • To apply number bonds within 10 • To add and subtracts 1s • To add and subtract 10s • To add and subtract 100s • To spot the pattern • To add 1s across a 10 • To add 10s across 100 • To subtract 1s across a 10 • To subtract 10s across 100 • To make connections • To add two numbers (no exchange) • To subtract two numbers (no exchange) • To add two numbers (across a 10) • To add two numbers (across a 100) • To subtract two numbers (across a 10) • To subtract two numbers (across a 100) • To add 2-digit and 3-digit numbers • To subtract a 2-digit number from a 3-digit number • complements to 100 • To estimate answers • To use the inverse • To make decisions	Unit 3 Weeks 1-4 Multiplication Unit A Week 5 End of term assessments Unit 4 Week 6-7 Multiplication Unit B	• To recognise equal groups • To use arrays • To recognise multiples of 2 • To recognise multiples of 5 and 10 • To share and group • To multiply by 3 • To divide by 3 • To practice the 3 times tables • To multiply by 4 • To divide by 4 • To practice the 4 times tables • To multiply by 8 • To divide by 8 • To practice the 8 times tables • To practice the 2,4, and 8 times tables • To familiarise ourselves with TT Rockstars • To assess our prior knowledge • To recognise multiples of 10 • To recognise related calculations • To reason about multiplication • To multiply a 2-digit number by a 1-digit number – no exchange • To multiply a 2-digit number by a 1-digit number – with exchange • To link multiplication and division • To divide a 2-digit number by a 1-digit number – no exchange • To divide a 2-digit number by a 1-digit number – flexible partitioning • To divide a 2-digit number by a 1-digit number – with remainders • To scale • To find alternate ways to multiply and divide

	Spring 1		Spring 2
Unit 5 Week 1-2 Length and Perimeter Unit 6 Week 3-6 Mass and Capacity	• To measure in metres and centimetres • To measure in millimetres • To measure in centimetres and millimetres • To measure in metres, centimetres and millimetres • To use equivalent lengths • To compare lengths • To add lengths • To subtract lengths • To discuss what perimeter is • To measure perimeters • To calculate perimeters • To use scales • To measure mass in grams • To measure mass in kilograms and grams • To compare mass • To add and subtract mass • To measure capacity and volume in millilitres • To measure capacity and volume in litres and millilitres • to use equivalent capacities and volumes • To compare capacity and volume • To add and subtract capacity and volume	Unit 7 Week 1-6 Fractions Unit A and B Spring Term assessments Week 7	• To understand the denominators of unit fractions • To compare and order unit fractions • To understand the numerators of non-unit fractions • To understand the whole • To compare and order non-unit fractions • To understand the whole • To compare and order non-unit fractions • To use fractions and scales • To order fractions on a number line • To count in fractions on a number line • To use equivalent fractions on a number line • To represent equivalent fractions as bar models • To add fractions • To subtract fractions • To partition the whole • To represent fractions as a set of objects • To represent non-unit fractions • To reason with fractions of an amount • To consolidate our understanding

	Summer 1		Summer 2
Unit 8 Weeks 1-2 Money Unit 9 Weeks 3-5 Time	• To recognise pounds and pence • To convert pounds and pence • To add money • To subtract money • To find change • To recognise roman numerals to 12 • To tell the time to 5 minutes • To tell the time to the minute • To read time on a digital clock • To use am and pm • To know the years, months and days • To use days and hours • To use start and end times in hours and minutes • To calculate durations in hours and minutes • To use minutes and seconds • To use different units of time • To solve problems with time	Unit 10 Weeks 1-4 Shape Unit 11 Weeks 5-6 Statistics Weeks 7-8 Consolidation	• To recognise turns and angles • To recognise right angles • To compare angles • To measure and draw accurately • To recognise horiztonal and vertical lines • To recognise parallel and perpendicular lines • To recognise and describe 2-D shapes • To draw polygons • To recognise and describe 3-D shapes • To make 3-D shapes • To interpret pictograms • To draw pictograms • To interpret bar charts • To draw bar charts • To collect and represent data • To interpret two-way tables • To consolidate our understanding