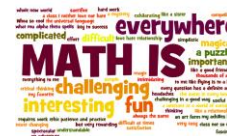## Mathematics Intent and Overview

The teaching and learning of maths at Maple Tree is ambitious and designed to give all children the knowledge and cultural capital they need to succeed in life. Our teachers make sure that the mathematical skills taught every day are relevant and develop pupils' mathematical fluency. They build on previous year's learning and revisit maths topics where progression is key. We incorporate sustained levels of challenge through varied and high quality learning with a focus on fluency, reasoning and problem solving. We promote pupils' exploration of maths in depth, using mathematical vocabulary to reason and explain their understanding.

We want our pupils to be able to explain their choice of methods and develop their mathematical reasoning skills. We want to encourage resilience and acceptance that making mistakes is often a necessary step in maths learning. Our curriculum allows children to better make sense of the world around them relating the pattern between mathematics and everyday life. We hope that some of our pupils will go onto study maths at further education level, and to then choose a career in the field of maths, for example as an accountant, engineer or a physicist.

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	Getting to know you Just like me!	It's me, 1,2,3! Light and Dark	Alive in 5! Growing 6,7,8	Building 9, 10 Consolidation	To 20 and Beyond First, then, now	Find my pattern On the move
Year 1	Number: place value within 10	Number: place value within 20	Number: addition and subtraction within 10 Number: place value within 50	Number: multiplication and division Measurement: geometry	Measurement: money Measurement: time Measurement: length and height	Consolidation from Assessment
Year 2	Number: place value Number: addition and subtraction	Number: addition and subtraction Measurement: money Geometry: property of shape	Number: multiplication and division	Number: fractions Statistics	Measurement: length and height Measurement: time Measurement: capacity	Geometry: position and movement
Year 3	Number: place value, Number: addition and subtraction	Number: multiplication and division	Number: multiplication and division Measurement: money Statistics	Measurement: length and perimeter Number: fractions	Number: fractions Measurement: time	Geometry: properties of shape Measurement: mass and capacity
Year 4	Number: place value, Number: addition and subtraction	Measurement: length and perimeter Number: multiplication and division	Number: multiplication and division Measurement: area	Number: fractions and decimals	Number: decimals Measurement: money and time	Statistics Geometry: properties of shape; position and direction
Year 5	Number: place value Number: addition and subtraction Statistics	Number: multiplication, division Measurement: perimeter and area	Number: multiplication, division Number: fractions	Number: fractions, decimals, percentages	Number: decimals Geometry: properties of shape	Geometry: position and direction Measurement: converting units; volume
Year 6	Number: place value Number: addition, subtraction, multiplication and division	Number: fractions Geometry: position and direction	Number: decimals, percentages Number: algebra	Measurement: converting units Measurement: perimeter, area and volume. Number: ratio	Statistics Geometry: properties of shape	Applied maths and consolidation