EYFS - Spring 2 - Maths Knowledge Organiser

What I already know...

To order and compare representations of 6, 7 and 8.

To combine amounts to 6, 7 and 8.

To find pairs.

To make pairs.

Know that double means twice as many.

Know 1 more than a number.

Know 1 less than a number.

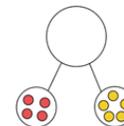Know that jottings can be used to present quantities and solve problems.

To subitize to 10.

What I will learn...

To compare numbers.

To know the vocabulary associated with time.

To be able to apply counting principles to 10.

To be able to represent 9 and 10 in different ways.

To be able to subitise 9 and 10 into smaller compositions.

To compare numbers to 10.

To explore and know the number bonds to 10.

To know the relationship between number and quantity to 10.

To explore and manipulate 3D shapes.

To know similarities and differences of 3D shapes.

To have an awareness of 3D shape names.

To explore a variety of repeating patterns.

Key Vocabulary

Subitise	Recognize a the amount of objects in
Representations	Using objects or jottings to display a number/ quantity.
Mass	To understand weight.
Compare	To think about similarities and differences.
Quantity	The amount of something.
Composition	How a number can be made up of several smaller numbers.
Height	The measurement of something from base to top.
Length	The measurement of something from end to end.
Part Whole Model	Simple pictorial representation of how learners can see a relationship between numbers.

Making a difference at The Merton and beyond

Our Mathematics journey this term incorporates practical learning experiences that follow early *number sense* principles, allowing children to develop their fluency, problem-solving, and reasoning skills. Children will engage in playful opportunities that support the development of their conceptual understanding of number and shape through concrete indoor and outdoor learning experiences.

Children will take a self-directed and active role in their learning through our *Farm Shop and Café* and *Farm* role-play areas, which will incorporate a range of sensory elements. Our natural environment will be used to explore shape through 2D and 3D shape hunts, creating shapes using malleable resources, and producing patterns with natural materials. Children will develop positional language through the exploration of shape patterns, practically combine different groups to represent a whole, and extend their mathematical vocabulary.

Children will explore the characteristics of shapes, use mathematical language to describe and compare them, talk about position, and solve problems through hands-on, meaningful experiences.

The Merton Primary School
To be the best we can be.

Making a difference ● Knowledge and Appreciation of the World ● Building character ● Building relationships ● Promoting health and Wellness