



## Knowledge Skills and Understanding Mathematics



Reception children will be learning to:

### Number

- Count objects, actions and sounds.
- Subitise up to 5.
- Use positional language.
- Link the number symbol (numeral) with its cardinal number value.
- Count beyond ten.
- Compare numbers, using vocabulary such as more than, less than, fewer, the same as and equal to.
- Understand the 'one more than/one less than' relationship between consecutive numbers.
- Explore the composition of numbers to 5 then 10.
- Automatically recall number bonds for numbers 0– 10, with a focus on 0-5.
- Order a sequence of events and use time language e.g. yesterday, today, tomorrow.
- Double numbers to 5.
- Explore odd and even numbers.

### Numerical Patterns

- Select, rotate and manipulate shapes in order to develop spatial reasoning skills.
- Compose and decompose shapes so that children recognise a shape can have other shapes within it, just as numbers can.
- Continue, copy and create repeating patterns.
- Notice and correct an error in a repeating pattern.
- Talk about and explore 2D and 3D shapes (for example, circles, rectangles, triangles and cuboids) using informal and mathematical language: 'sides', 'corners'; 'straight', 'flat', 'round',
- Order a sequence of events and use time language e.g. yesterday, today, tomorrow.
- Compare length, weight and capacity.



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## Reception – end of year expectations

ELG Number	ELG Numerical Patterns	
<ul style="list-style-type: none"> <li>• Have a deep understanding of number to 10, including the composition of each number.</li> <li>• Subitise (recognise quantities without counting) up to 5.</li> <li>• Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.</li> </ul>	<ul style="list-style-type: none"> <li>• Verbally count beyond 20, recognising the pattern of the counting system.</li> <li>• Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity.</li> <li>• Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.</li> </ul>	
Key Texts	Experience	Daily Routine
<p>The hungry caterpillar Goldilocks and the three bears</p>	<p>Baking Sports Day – counting Mud kitchen – counting and creating patterns with resources</p>	<p>Nursery rhyme songs Daily calendar Number formation Number of the week Visual timetable Snack time</p>