

# The Oaktree School



## Early Years Foundation Stage

### Maths Workshop

Developing a strong grounding in number is essential so that all children develop the necessary building blocks to excel mathematically. Children should be able to count confidently, develop a deep understanding of the numbers to 10, the relationships between them and the patterns within those numbers.



# Maths ELG

## Number

- Have a deep understanding of number to 10, including the composition of each number;
- - Subitise (recognise quantities without counting) up to 5;
- - 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.

# Maths ELG

## Numerical Patterns

- Verbally count beyond 20, recognising the pattern of the counting system;
- - Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity;
- - Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.

# Teaching for Mastery

- Access
- Pattern
- Making Connections

**Representation  
& Structure**

- Chains of Reasoning
- Making Connections

**Mathematical  
Thinking**

**Coherence**

Small steps are easier to take

**Variation**

**Fluency**

- Procedural
- Conceptual
- Making Connections

- Number Facts
- Table Facts
- Making Connections

# The Importance of a Solid Foundation

- 1. Confidence** – As your child progresses through the year, he or she will learn new topics. A solid foundation allows your child to approach new challenges more comfortably and tackle new concepts with ease.
- 2. Problem-solving** – With a strong foundation, your child will be able to tap on past knowledge and logical thinking skills to find solutions and answers. It is important for your child to be able to think through a problem and recognise there is more than one path to the answer.
- 3. Critical Thinking Skill** – Maths can also provide a platform where critical-thinking skills are put into practice and refined. A strong foundation in Maths will give your child the ability to explain how he or she arrives at a solution to a complex problem or to describe the ideas behind a formula or procedure.

## Number

<https://www.youtube.com/watch?v=xfyX4pm-QeA>

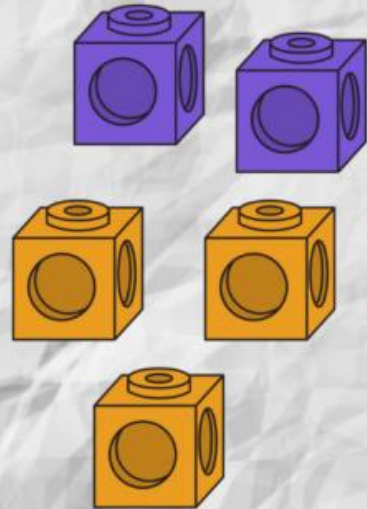
## Numerical Patterns

<https://www.youtube.com/watch?v=fsWEHuDpE8g>



# Concrete, Pictorial, Abstract

**Concrete**



**Pictorial**



**Abstract**

$$3 + 2 = 5$$



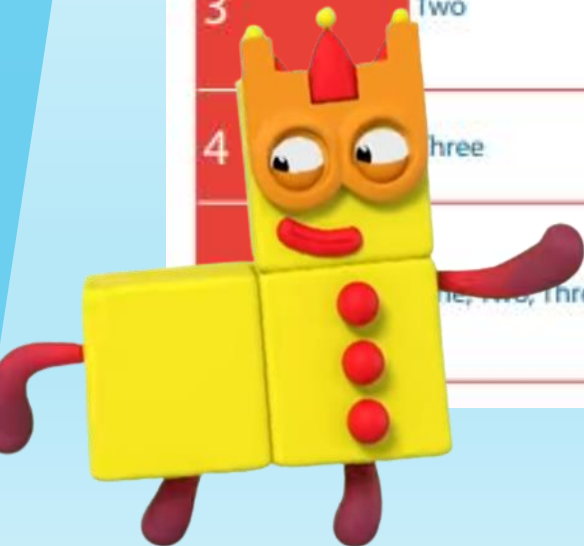
**MathShed**

# Numbers to 5

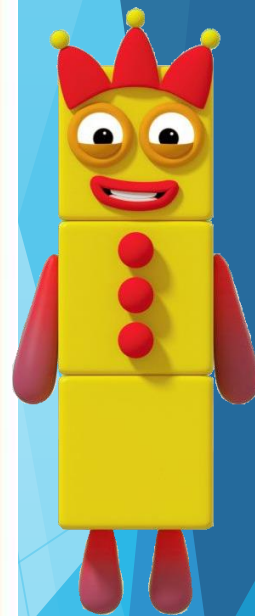


Episode	Name	Storyline	Mathematics
1	One	A little block falls out of the sky, meets her numberling and discovers one wonderful world, singing and counting to one.	<ul style="list-style-type: none"> <li>Meet <i>One</i></li> <li>Counting to 1</li> </ul>
2	Another One	<i>One</i> discovers it's tricky to play tennis when you're the only block in the world. She bumps into a magic mirror and meets <i>Another One</i> – and they join forces to make <i>Two</i> .	<ul style="list-style-type: none"> <li>Meet <i>Two</i></li> <li>2 is one more than 1</li> </ul>
3	Two	<i>Two</i> finds a pair of magic dancing shoes and shows <i>One</i> that everything is better with 2, singing and counting things that belong in pairs.	<ul style="list-style-type: none"> <li>Counting to 2</li> <li>The 'twoness' of 2</li> </ul>
4	Three	<i>Three</i> arrives with a bang – and a song-and-dance about her favourite number: 1, 2, 3, Everybody Look at Me!	<ul style="list-style-type: none"> <li>Meet <i>Three</i></li> <li>3 is one more than 2</li> </ul>
	One, Two, Three!	<i>Three</i> does magic tricks with apples to show the others who goes first, who's biggest and how to surprise your number friends.	<ul style="list-style-type: none"> <li>Counting to 3</li> <li>Comparing numbers 1, 2 and 3 – 'bigger' and 'smaller'</li> <li>Ordering numbers 1 to 3</li> <li>3 is made of 2 and 1</li> </ul>
		<i>Four</i> is the new block on the block and	<ul style="list-style-type: none"> <li>Meet <i>Four</i></li> </ul>

3



3

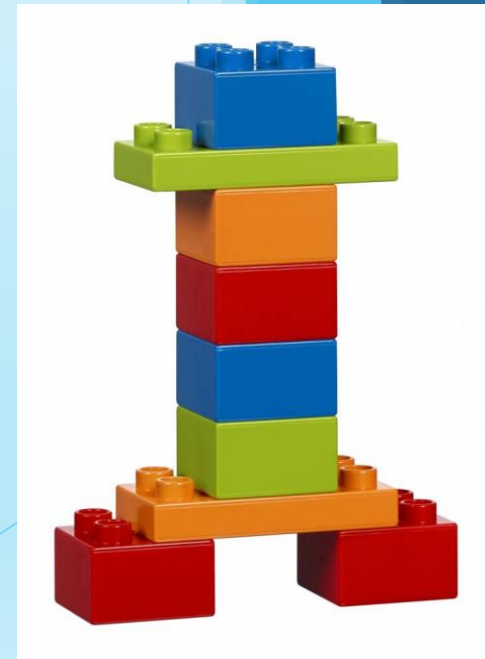




# What does Maths in EYFS look like?



# What does Maths at home look like?



# Top Tips!

- Repetition
- Lots of counting
- Hands-on activities
- Get the child to explain/teach you!
- Use stories
- Give feedback
- Positive attitude
- Play games

