

Reception Maths

21st November 2024

Today's talk

- What do we do in school?
- What does the curriculum look like?
- Useful resources – Physical, books and websites
- How you can help at home
- A game to play together



The Early Years Foundation Stage curriculum

Development Matters Statements

Mathematics
• Count objects, actions and sounds.
• Subitise.
• Link the number symbol (numeral) with its cardinal number value.
• Count beyond ten.
• Compare numbers.
• Understand the 'one more than/one less than' relationship between consecutive numbers.
• Explore the composition of numbers to 10.
• Automatically recall number bonds for numbers 0-5 and some to 10.
• Select, rotate and manipulate shapes to develop spatial reasoning skills.
• Compose and decompose shapes so that children recognise a shape can have other shapes <i>within</i> it, just as numbers can.
• Continue, copy and create repeating patterns.
• Compare length, weight and capacity.

Early Learning Goal

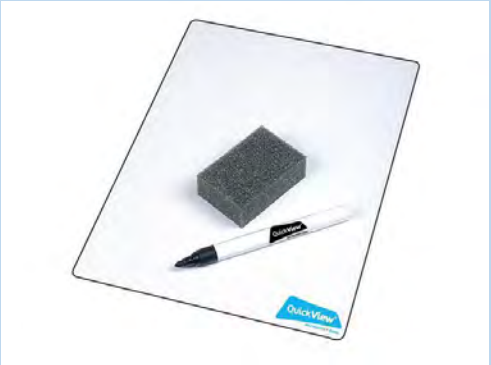
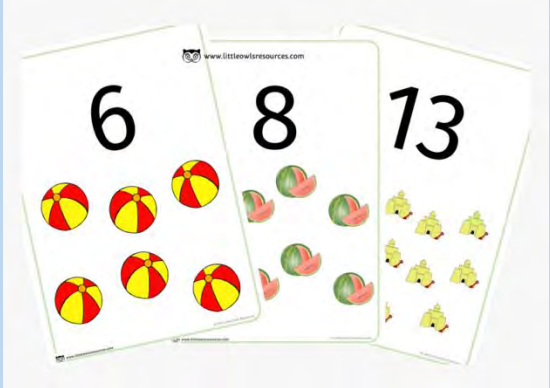
Mathematics
Number
<ul style="list-style-type: none">• Have a deep understanding of number to 10, including the composition of each number.• Subitise (recognise quantities without counting) up to 5.• Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.
Numerical Patterns
<ul style="list-style-type: none">• 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.



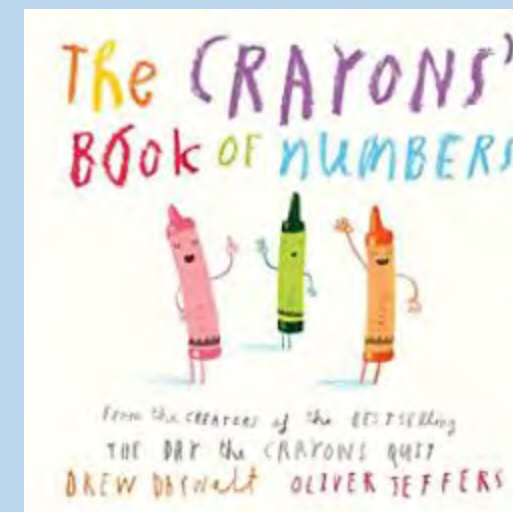
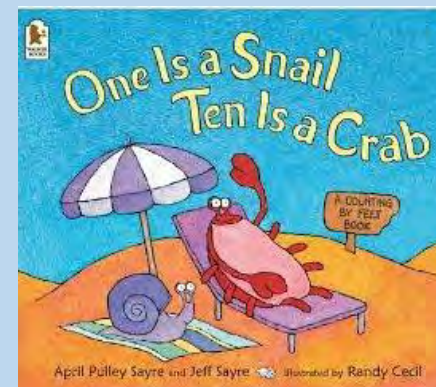
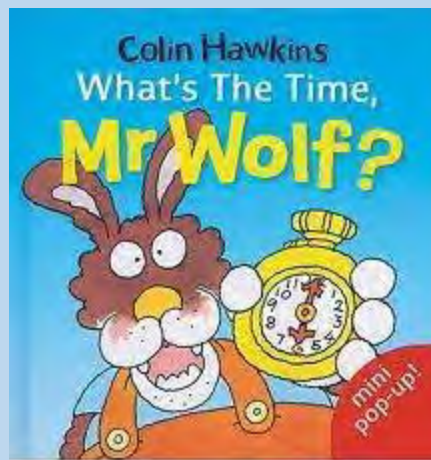
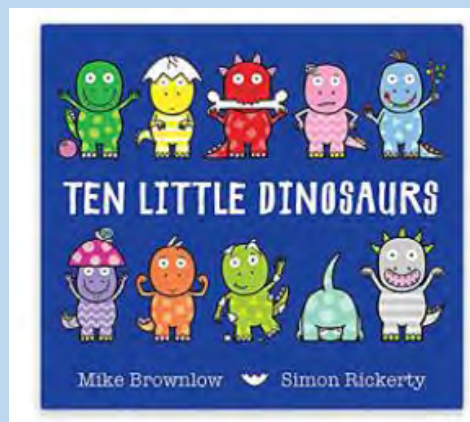
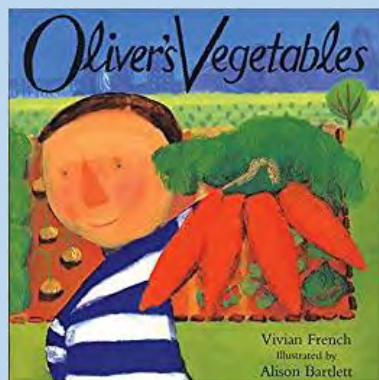
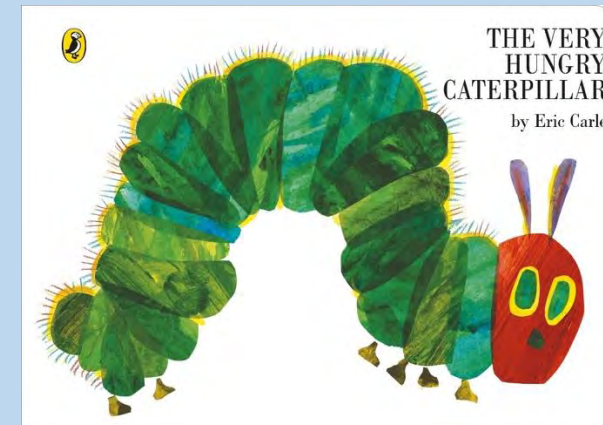
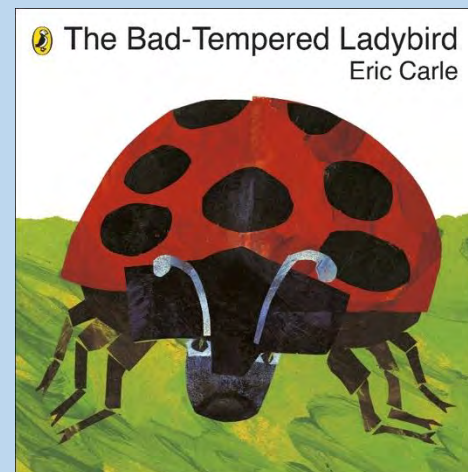
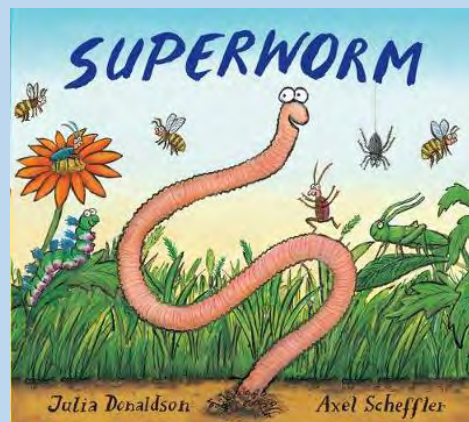
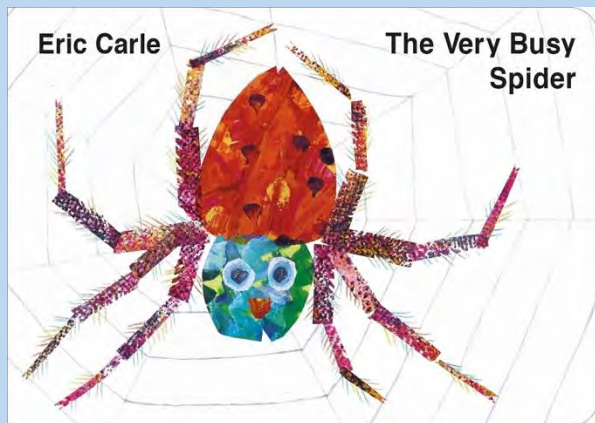
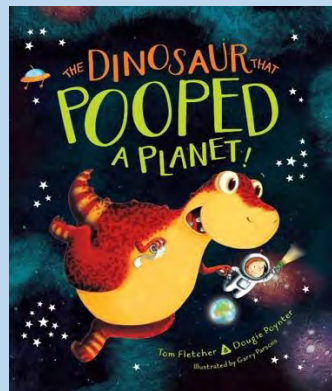
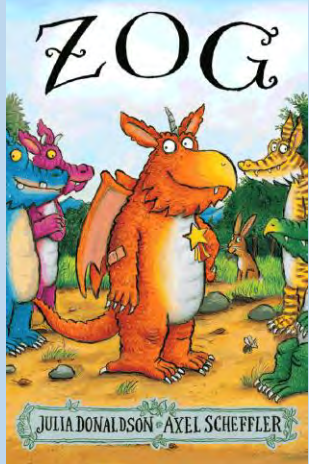
The curriculum in school

- NCTEM scheme of learning - “Mastering Number”
- Number blocks alongside to promote discussion
- Mastery, reasoning and problem solving
- Books
- Weekly homework

Physical resources



Maths books



How you can help at home?

Games

- Snakes and ladders
- Board games
- Card games – snap, pairs
- Number hunts
- Hide and seek
- Bingo
- Link it to fine motor activities
- Counting songs



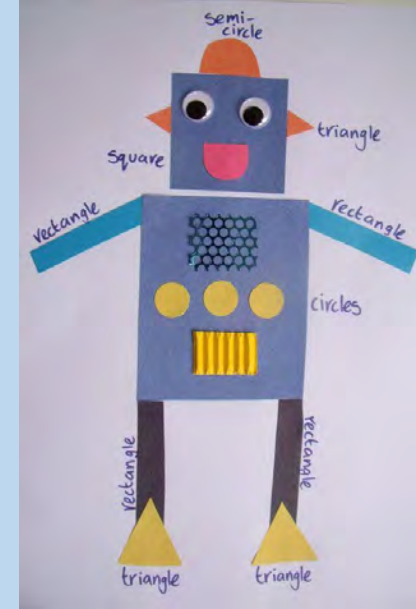
How you can help at home?

Counting

- Counting – in everyday conversation, in play, steps, brushing teeth, toys in the bath, tidying toys
- Subitising – with teddies, spoons, socks
- Ordering numbers – flashcards, post it notes, lining up toys
- Number bonds – in the car, with teddies/toys
- Addition and subtraction – include it in everyday conversation, cooking



How you can help at home?



Shape and measure

- 2D and 3D shapes – in everyday conversation, shape hunts, shape pictures
- Patterns – ordering objects and toys, clapping/body percussion
- Weight, length, capacity, time – language focus whilst cooking, in the bath, in the sandpit, pouring drinks, talking about routines

How you can help at home



Number formation

- Model number writing and reading in different ways: Lists, tracing, birthday cards, buses, front doors, recipes, in books, phones
- Number hunts
- Write in sand, with your finger on the carpet, paint, make numbers with play dough, on a whiteboard, on paper, post it notes, on a tablet

Useful websites/apps

White Rose 1 minute maths – subitising, counting, addition & subtraction, number bonds – DOWNLOAD NOW

<https://www.topmarks.co.uk/maths-games/hit-the-button> - Quick fire maths

<http://www.mathsphere.co.uk/resources/MathSphereSampleWorksheets.htm> - Printable maths worksheets, free resources, fun and games.

<https://www.mathsisfun.com/> - A range of maths games.

<https://www.busythings.co.uk/> - Very popular with all of our children!

<https://www.bbc.co.uk/cbeebies/games> - The games cover the whole curriculum and are tablet friendly.

<http://www.crickweb.co.uk/> - Activities focusing on Maths and Literacy. Free to use

<https://www.pinterest.co.uk/> - While Pinterest isn't a learning website as such, it is nonetheless an absolute treasure trove of resources if you would like an activity for your child that isn't screen based. Pinterest has so many investigative activities that you can make at home, some beautiful art activities and fine motor activities. Type 'eyfs' or 'for kids' after your search. For example 'numbers to 10 for kids' or 'shape patterns for kids'

<https://www.youtubekids.com/> You can search for a wide range of videos on number bonds, shapes, counting, phonics, Alphablocks, Number Jacks etc. 'Art for Kids' and 'Cosmic Yoga Kids'.

<https://www.bbc.co.uk/bitesize/articles/zks4kmn?fbclid=IwAR357cwmUmOnHhRVPR5Az4k5OvKP6lrsYs9ZoYAadD5nfcOLzz0GHbCI> BBC bitesize has lots of links to activities, games and videos all about maths and other areas of the curriculum

<https://www.ictgames.com/mobilePage/index.html> Quick fire maths



A game to play

Activity 1

Play a game of 'compare fingers' up to 4.

Ask your child to show a number of fingers on one hand, then show them a number on your hand .

Who is showing more fingers me or you? How do you know? – 4 is 1 more than 3, 2 is bigger than 1.

In this activity, the children will compare by looking – using different objects – and be introduced to the language of 'fewer than'.

Play the 'Who has more than... ?' game using the counters

Who has more than the other? [me] or [you]?

Introduce the vocabulary of 'fewer than'.

We can say that [I] have more than [You]. We can also say that [I] have fewer than [you].

Repeat the activity using different numbers of objects, ensuring that all other attributes are the same [e.g. size, colour].

Who has fewer than the other?

Use the stem sentence: [I/you] have fewer _____ than [I/you].

Activity 2

Play 1 minute maths together