

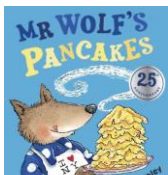
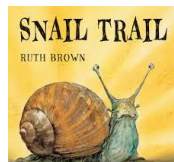
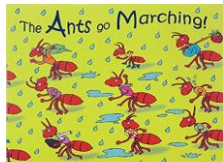
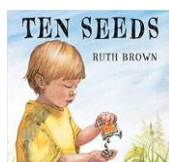


Spring 2 2024



Paula Breward

Books and Rhymes



Possible Experiences

Maths Nature Trail- Can children find; 8 stones, 3 sticks, 5 leaves and make a square with sticks? etc,

Number Stones-Children use sticks to write numerals in mud. Then place stones over the top of the numeral.

Forest School Cooking-Children invited to measure ingredients to make pancakes.

Mini Beast Survey-Children predict, search and count specific mini beasts in orchard. Can we make a tally chart?

Heavy or Light? -Children explore use of a pulley system to lift and transport.

Nature Jigsaws-Find a twig. Children break into pieces and give to friend to put back together. Try with a leaf?

Stick Sort-Children gather/ sort sticks into thicknesses for fire, pencil thickness finger thickness, length of your hand etc.

Build a Bridge- Can we build a bridge over puddles? Using planks, Tyres buckets and pipes. Can we measure, record lengths and heights of our build.

Forest School Furniture - Use tools with an adult (bow saw and hand drill) to make Forest School furniture. E.g., stool, table, how long do the legs need to be? How will it stand up? Children to solve problems.

Easter Egg Hunt and Count! Hunt for eggs in different positions around the Orchard. Who can find the most/least.

Planting Seeds- Looking closely at the different seeds we will plant, also the size, shape and colour.

Rainbow walk- Children share their favourite colours. Can we find these within our Orchard whilst joining together to take part in a colour hunt.

Possible Warm up Games

Pebble Toss, Children have five pebbles. They take turns to throw pebbles into a hole. How many can they get in? Use a bucket, water and shells instead to create a splash.

Which Hand? - Take turns to hide a pebble in one of your hands. Hold out both fists. Let a friend guess which hand the pebble is in.

Pick Up Sticks-Everyone finds a stick and put it into a pile in the middle of the circle. Take turns to remove sticks without disturbing other sticks. If you do, you keep the stick. How many have you won?

Tarp Target Board-A tarpaulin with numbers on is used to create a target board. Children take turns to roll a stick or pebble to land on a number

Pass the Bucket-Children in a line pass a bucket of water without spilling any. Check measurement of water before and after.

Make a Shape- All children hold a loop of rope together in a circle and work together to make a circle, square, triangle.

Challenge: Can they do it with everyone's eyes closed?



Stick Ten Frame



Exploring Shape



Making Furniture



Pancakes

Forest School Maths!

One of the most popular experiences over the last half term was the pure engagement when using Sticks in many different ways. The children have used them to make enclosures, magic wands and having great ideas to make their own paintbrushes! During these experiences we have noticed children using mathematical language such as more/ less, heavy and light. We have seen the children throughout the visits, showing a keen interest and excitement when the Red Arrows have flown over our Orchard. This has encouraged many discussions about the different shapes, colours and also counting how many Aeroplanes we could see? Following on from these interests we will invite our children to become Forest school Mathematicians! We will support the children to practice the skills of both subitising and counting to explore shapes, space and measure. Maths is all around us in nature from the variety and size of leaves to the number of spots and different patterns seen on a Ladybird and tiny Insects. There will be many opportunities to count our friends at Forest school or whilst playing games together. As we head towards Easter I wonder if we can estimate how many Easter Eggs we might find hiding in the Orchard?



Exploring weight!

Possible Check points for Learning

Maths

Number talking in play-I join in, with a degree of accuracy, adding named quantities of objects in play experiences.

Counting-I can point and tag count sets of objects to the value of 5 with greater accuracy.

I can, with adult support answer the "how many?" question for quantities of objects up to the value of 5.

-I can keep one to one correspondence between counting words and objects for objects in a line to the value of 5.

-I know that the number of objects remains the same even when moved around.

Making collections-I can sort objects using one simple criteria.

I can make a collection of objects, alongside an adult, to the value of 4,5.

Subitising-I can Subitise 1, 2, 3 objects

Comparisons- I am beginning to compare amounts of objects and say which is 'more' or 'less' when the objects are less uniform.

Shape- I can recognise the names of 2d shapes: circle, square, triangle, rectangle, star.

PSED

Be Caring- I can tell you when I am happy or sad and why.

Communication and Language

Social Communication- I am developing confidence to explain my thinking in front of a small group of children.

Listening and Attention, Understanding- I can stop and listen when adults asked by an adult

-I am beginning to think about 'why' events happen.

Physical Development

- **Fine Motor.** I am beginning to choose the right resources to complete a challenge safely.

-I can manipulate, roll and change materials for example clay.

Opportunities for Reflection

Rolling Dice- (Dice has words; best, worst, learnt, thanks and felt)

Children roll dice and talk about experiences.

Friendly neighbour-Ask the group a reflection question and they turn and talk to their neighbour about it.

Walk and talk- talk whilst on the move about the session.

Giving Gratitude- Take turns to say "Thank you for..."

Magic sit spot-Children find a quiet spot to sit and reflect on their own.

Pass the squeeze- pass a hand squeeze around a circle and think about something you are proud of, enjoyed etc.

Possible Classroom Follow Up

-Photos/ videos to share on Tapestry

-Maths nature books in main nursery

-Encourage children to collect quantities of natural objects in a treasure box and share with nursery staff

-Place leaves, sticks, stones etc in nursery classroom /garden for children to count, sort and order. Loose parts from nature!

-Take photographs of children making scotch pancakes. Make recipe book and leave in book area of classroom

-Take photos of tools use. Make into 'how to...' cards Children share cards and display in tool shed.

-Explore weight in gravel/sand pit with balance scales



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