

Armathwaite Community Primary School

Reception ~ Spring Term 2022

Mathematical Development	What to practise. What you can do at home
<p>This term we are introducing and using zero. We will use lots of activities, stories, clips and songs to help us do this.</p> <p>Then we will revise and compare numbers to 5 in lots of different ways, inside and in outdoor play.</p> <p>Next we will play games where we hide part of a number to see if we can work out how many are left! This helps children to recognise the size a number from the group of objects and to learn which smaller groups of number make a number up (for example if I have 5 pebbles and the narwhal toy hides some so we can only see 3, we can work out that 2 are hiding! It's a fun game and really helps children to see the number.</p> <p>Following this we will compare mass. We will read stories with weighing in them and compare how heavy apples or bananas are and we will use balance scales. We will order objects from heaviest to lightest. We will also use playdough and lots of other objects in and outdoors. We will also have a group of parcels to compare which will be lots of fun as the smaller ones may be heavy and the larger ones light!</p> <p>Now we will move onto capacity, comparing containers to see which are full, empty, half full, half empty etc. we find out which holds most and which holds least and enjoy predicting then counting how many egg cups we need to fill a bottle or bowl etc. We will do the same with sand and mud in the mud kitchen, setting up a pop up café!</p> <p>Then we will move on to comparing numbers using our Numicon plates, finding that if we put a 5 plate on one side and a 2 plate on the other, we will need a 3 plate to make it balance. We will use the terms equal to, lighter than, heavier,</p> <p>We will then move onto focusing on numbers 6,7 and 8 using story to help our learning. We will explore the number 6 and then sort numbers 6, 7 and 8. Then we will find different ways of making 7 before doing the same with number 8.</p> <p>We will learn about one more and one less. Then will make pairs and learn about what the term pair means.</p>	<p>Search Number blocks the Zero Song and Zero the Hero and enjoy watching them with your child at home. We use Number blocks in school at the beginning of some of our maths lessons. I've put the link onto Seesaw for you.</p> <p>You could also watch The Three Little Pigs and The Big Bad Square. I will put the links onto Seesaw as the children keep asking me to do this.</p> <p>If you are having grapes or raisins or anything else really, you can count back as you eat them until you get to zero. You could also say "Ooh, you've got three pieces of apple how many will you have left if you eat..... And include nothing but use the term zero too as this will help you child to learn the mathematical term and this will help their understanding.</p> <p>You could play the hiding game at home too!</p> <p>Compare the weight of things at home using the mathematical words heavy, light, heavier. Lighter, heaviest etc.</p> <p>This is a great game to play in the bath or when you are doing the washing up. Use the mathematical words as you play.</p> <p>We have lots of great stories about numbers in our maths area at school and we have a lovely story sack. If you would like to borrow any you would be very welcome. Just ask us in the morning or at the end of the day. We will send some activity ideas sheets home to give you easy ideas. You could also sort socks into pairs, muddle them up first!</p>

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<p>Now we will be ready to move onto combining groups of numbers to find out how many altogether. There are so many opportunities to do this, both indoors and outside.</p> <p>We will be playing games which use dice to help us with this.</p> <p>The next thing we will move onto is numbers 9 and 10.</p> <p>We will learn how to represent 9 and 10 and how to sort them.</p> <p>We will order numbers to 10, look at how 9 and 10 can be made and play 10 bingo!!!</p> <p>Then we will practise counting back from 10..</p> <p>We will compare numbers to 10 and find ways of making 10.</p> <p>Now we will move onto shape ~ with a focus on 3D shape.</p> <p>We will match 3D shapes, build with 3D shapes and paint with them.</p> <p>Then we will end the term by exploring pattern.</p> <p>What a lot of marvellous maths learning!</p>	<p>Combine groups of apples and bananas or any other food items. Combine groups of sticks or stones, counting how many in each group and then how many altogether.</p> <p>Play board games. We can end you a snakes and ladders game to play at home ~ please ask if you would like one. Dominoes is another great game for this. (They make a brilliant birthday present!)</p> <p>See if you can spot number 9 on number plates, door numbers etc. Lots of food items now come in packs of 10. Can you spot some?</p> <p>Can you find ways of making 10?</p> <p>Look out for 3D shapes around the house and when you are out for a walk. Say their names ~ cube, sphere, cylinder, cuboid, cone, prism, pyramid. 3D shapes have faces like 6 square faces on a cube, 3 triangles and a square on a square based pyramid. We have some sheets to send home with activities to help you and I will put Scratch Garden 3D Shapes song on Seesaw for you.</p>