

Armathwaite Community Primary School

Reception ~ Summer Term 2022

Mathematical Development	What to practise. What you can do at home
<p>3D Shape ~ matching objects</p> <p>Building with 3D shapes</p> <p>Printing with 3D shapes</p> <p>Pattern</p> <p><u>Numbers to 20</u></p> <p>All the time we are consolidating key skills ~ subitising, counting, composition, sorting and matching and comparing and ordering</p> <p>New learning will be:</p> <ul style="list-style-type: none">• building numbers beyond 10• exploring number patterns to 20• matching picture to numeral• ten frame fill beyond 20• play estimating games• exploring how many 100 is (use 10 frames to help us do this and explore why this helps)• exploring spatial reasoning, making and talking about patterns in the maths area, small world and outdoor play	<p>Talk about 3D shapes, naming them and talking about their properties (round, 3 faces, 6 corners etc. Use mathematical language like this. Can you spot 3D shapes everywhere you go?</p> <p>Subitising is when you are able to look at a group of objects and realise how many there are without counting ~ for example spots on a dice. Play games with dice, dominoes, bingo and notice how many bananas in the fist, apples in the pack etc.</p> <p>Counting ~ practise counting up to and back from numbers within 10. Start and finish at numbers other than 0 and 10.</p> <p>Composition ~ this is noticing that all quantities have smaller quantities which they are made up of. See if you can spot this ~ 6 peppers ~ 4 are green and 2 are red and so on. All of these conversations really help children to develop number sense and are the foundations for later learning ~ and they are so simple to do as part of everyday life.</p> <p>Sorting and matching ~ involves noticing similarities and differences</p> <p>Comparing and ordering ~ is comparing and ordering quantities and measures ~ more or less \ fewer grapes or apple juice etc.</p> <p>You can count beyond 10 with your child using objects. You can grab a handful of grapes or blocks or toy cars and estimate how many you have before you count them. When counting quantities bigger than 10, count objects into a group of ten and then some ones. Please find two ten frames attached to help you do this.</p> <p>Make lots of jigsaws and notice and talk about patterns to help your child develop spatial reasoning.</p>

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<p>Our next focus will be on First, Then, Now</p> <p>We will be adding more in our indoor and outdoor learning environments.</p> <p>We will also be learning about taking away.</p> <p>We will do some more spatial reasoning, using triangles squares and stars to make tessellating patterns (where all the shapes fit together). We will use lots of stories to support this learning.</p> <p>Next we will learn about doubling, sharing and grouping and even and odd.</p> <p>Our spatial reasoning will be about position and we will play lots of games in small world and outdoor play using vocabulary like in between, behind, under, above, next to, high, low etc.</p> <p>We will also recreate real places we have been and create pictures and patterns for our friends to recreate. All the time we will be talking and using the positional language mentioned above. This learn helps children to learn about shape and space.</p> <p>Our final focus for the year is called On the Move. During this focus we will dig deeper into all our previous learning and develop our spatial awareness, focusing on maps, which will be so much fun!</p> <p>Children will be assessed for their maths development for the Foundation Stage Profile.</p>	<p>See if you can use the vocabulary of more, less and same when at home and out and about. Food is great for this! Talk about more, pour drinks so everyone has the same, notice how many fewer apples than pears there are in the fruit basket etc.</p> <p>Spot shapes and patterns all around you. you might see some on clothing or curtains or in books. Talk about what you can see.</p> <p>See if you can talk about doubles of things. You'd be surprised how many opportunities there are for this ~ again food is a great resource to use!</p> <p>Sharing things out and putting things into groups is good for this too. If you are going away, you could see how many pairs of socks you need for a week or how many bags of apples for everyone in your family to have an apple each day.</p> <p>We talk about odd and even numbers a lot in school. See if you can spot and talk about them at home too.</p> <p>Maps are so much fun and if we are making them at school your child will probably be really keen to draw them and look at maps in books at home too. You can talk about and use all the language of maps, noticing symbols etc. if you are having a trip out or a holiday you could look at a map, or find a map of where you live.</p>