

## Year 1 Maths Parent Overview – Autumn Term 2 2017

Pupils will be taught maths in a way that ensures a deep understanding of number through using concrete objects and pictorial representations. This approach helps children to reason and solve problems and supports their understanding of abstract methods.

Maths Objective	Ways of supporting this objective
Represent and use number bonds and related subtraction facts within 10	<ul style="list-style-type: none"> <li>Collect 5 (or 6 or 10) buttons/ pennies/ pebbles/ shells. Line them up on the floor, table in front of you. Now move some of the counters so that you have some each in front of you e.g. you have 3 and your child has 2, so 3 and 2 more makes 5. Push them back together and check that there are 5 counters still. Change the combination so that you have 1 and your child has 4. Do you still have 5 altogether? Extend to higher numbers when they are secure with 5.</li> <li>Draw a butterfly/ladybird outline and then arrange 10 coins/counters on each side e.g. 2 on one side and 8 on the other. How many different ways can you arrange the counters.</li> <li>As above but with fingers-show 3 fingers with your palm facing your child, how many fingers are still down on that hand? <math>3+2=5</math></li> </ul>
<p>Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs.</p> <p>Add and subtract one digit numbers to 10, including zero.</p>	<ul style="list-style-type: none"> <li>Place a number of objects on a tray and ask how many will there be if you take one/two or more off. Cover the tray with a tea towel and remove an agreed number of objects. Remove the towel. Were they correct?</li> <li>How many potatoes will you have on your plate if you have 1, 2, 3, 4... more? What about if you eat 1, 2, 3...?</li> <li>Hold up 5/10 fingers, how many will I have if I put one/two/three down/ or add another?</li> <li>Roll a dice, then count the dots. How many will we have if we roll a 1, 2, 3.... with another dice?</li> <li>How old are you? How old will you be on your next birthday?</li> </ul>
Solve one step problems that involve addition and subtraction, and missing number problems.	<ul style="list-style-type: none"> <li>Show a chosen number of buttons/objects, and secretly hide a small number of them. Can they work out how many are missing?</li> <li>Show 10 fingers and then hide a small number, how many fingers are hidden ?</li> <li>Word problems with food-We had 5 apples but now there are only 3, how many have been eaten?</li> </ul>
I can recognise and name 2-D shapes, , rectangles, squares circles and triangles.	<ul style="list-style-type: none"> <li>Look for 2D shapes around the house inside and outside e.g. square or rectangular windows, circular drain cover etc...</li> <li>Can you see 2D shapes when you are out and about ?</li> <li>Draw a picture using only circles or only squares etc</li> <li>Create a collage from triangle/square/rectangle/circle paper shapes.</li> </ul>
3-D shapes, including, cuboids , cubes,pyramids and spheres.	<ul style="list-style-type: none"> <li>Look for 3D shapes around the house inside and outside eg cube dice, cylindrical food tin, cuboid, lego block etc...</li> <li>Can you see 3D shapes when you are out and about ? It is especially good to hunt for in the packet food aisle</li> <li>Making 3D nets and talking about how many faces there are – these can be downloaded from the internet</li> </ul>

I hope this information will help you. There are many games that you have in the house that can help maths skills and do not forget how much maths comes into a shopping trip and cooking the tea. Please keep maths a positive experience for your children even if you did not find it so when you were at school. Remember to make maths fun and relevant to the children's lives, they soon learn how to divide when they have to share favourite toys or favourite food! There are many maths games on the computer- Just google "Free interactive maths games year 1".

As always, please do not hesitate to let us know if there are any problems or if we can help in any way.

Thank you for your continued support.

Rebecca Olive and the Year 1 team.