

Maths at Knights Enham Nursery and Infant School

Preparing the children to become numerate is our key objective. Being numerate is an essential skill to have in order to be able to function in the modern world. We use maths all the time, be it whilst cooking, planning a holiday or managing our finances. Problem solving is a fundamental part of this.

Being numerate means being able to reason with numbers and other mathematical concepts and to apply these in a range of contexts and to solve a variety of problems. Being numerate is as much about thinking and reasoning logically as about 'doing sums'.

www.nationalnumeracy.org.uk

Maths is taught in many different ways at our school. The children have **maths bursts** which are shorter sessions that focus on mental maths, for example counting in 2s, 5s and 10s or learning the number bonds to 10. They also have guided **adult-led sessions** in which they might be taught a specific strategy or have time to practise and refine a new skill. When introducing new concepts we follow a CPA approach. C stands for concrete, where the children will be handling and moving objects to test out ideas, P stands for pictorial, where children may draw pictures of objects and A stands for abstract, for example when using numerals to represent an amount. Our children also apply the skills they have learnt in practical ways during '**Discovery Time**', they might be counting, measuring, solving problems...the list is endless! Adults support this learning by making key observations and planning for the children's next steps. As well as this we make the most of all opportunities for maths, for example reciting times tables or looking for 2D shapes as the children move around the school.

How you can help at home

Support them with maths tasks that come home in the home-learning folders and talk to your child about the maths they have been working on at school, ask them to explain it to family members, perhaps they could take on the role of teacher!

Visit the maths library and borrow a maths game to play together at home, you can also drop-in to our half-termly maths fairs to pick up more ideas. Please do come and speak to your child's class teacher (or Mrs Cook our maths leader) for any further advice.

Maths Curriculum Map for Knights Enham Nursery and Infant School 2016 – 2017

Below is a curriculum map for the year. It outlines the main focus for each year group during that half-term but children will continue to consolidate their skills in **all** areas of maths throughout the year.

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
FS - Nursery	Number – names Measures – size shape	Number – counting more/less Measures – length shape	Number – how many? Measures – pattern money	Number – comparison Measures – time estimations shape	Number – counting sets Measures – weight position	Number – addition and subtraction Measures – capacity estimations pattern

FS - Reception	<p>Number - recognising numerals</p> <p>Measures – size shape</p>	<p>Number - 1:1 correspondence</p> <p>Measures – length shape</p>	<p>Number - estimations addition/subtraction</p> <p>Measures – pattern money</p>	<p>Number - addition/subtraction doubling/halving</p> <p>Measures – time shape</p>	<p>Number - addition/subtraction</p> <p>Measures – weight position</p>	<p>Number – doubling/halving and sharing</p> <p>Measures – capacity pattern</p>
Yr. 1	<p>Number and place value</p> <p>Measures - weight</p>	<p>Addition/subtraction</p> <p>Geometry</p>	<p>Addition/subtraction Introduce multiplication/division</p> <p>Measures – capacity Fractions</p>	<p>Number and place value Multiplication/division</p> <p>Measures - money</p>	<p>Number and place value Addition/subtraction</p> <p>Geometry and fractions Measures – length</p>	<p>Airbrick</p> <p>Measures - time</p>
Yr. 2	<p>Number and place value</p> <p>Addition/ subtraction</p> <p>Measures -capacity</p>	<p>Multiplication/ division</p> <p>Geometry Multiplication/ division (fractions)</p>	<p>Addition/subtraction</p> <p>Measures – money and length</p>	<p>Multiplication/division</p> <p>Geometry</p> <p>Measures – fractions and time</p>	<p>Addition/subtraction Multiplication/division</p> <p>Measures – weight and geometry</p>	<p>Airbrick</p> <p>Measures - money</p>