

Erpingham VC Primary School  
Numeracy Medium Term Planning - Class 3 Y4/5/6

**AIMS:**

Children should learn to...

- **become fluent** in the fundamentals of mathematics, through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- **reason mathematically** by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language
- **solve problems** by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

The principal focus of mathematics teaching in key stage 1 is to ensure that pupils develop confidence and mental fluency with whole numbers, counting and place value. This should involve working with numerals, words and the four operations, including with practical resources [for example, concrete objects and measuring tools].

At this stage, pupils should develop their ability to recognise, describe, draw, compare and sort different shapes and use the related vocabulary. Teaching should also involve using a range of measures to describe and compare different quantities such as length, mass, capacity/volume, time and money.

By the end of year 2, pupils should know the number bonds to 20 and be precise in using and understanding place value. An emphasis on practice at this early stage will aid fluency.

Pupils should read and spell mathematical vocabulary, at a level consistent with their increasing word reading and spelling knowledge at key stage 1.

At Erpingham Primary School we believe in the importance of developing children's problem solving and reasoning skills. Enabling them to relate their mathematical knowledge to practical and real-life situations. Problem solving objectives will be included in all topics and problem solving days will be incorporated into the timetable at least once every half-term.

**Below are the Numeracy topics we teach in order. Please contact your child's teacher for further information.**

<u>Autumn</u> <u>Term</u> <u>1<sup>st</sup> half</u>	<u>Addition</u>	<u>Subtraction</u>	<u>Multiplication</u>	<u>Division</u>
<u>Autumn</u> <u>Term</u> <u>2<sup>nd</sup> half</u>	<u>Length</u>	<u>Statistics</u>	<u>Time</u>	<u>Shape</u>
<u>Spring</u> <u>Term</u> <u>1<sup>st</sup> half</u>	<u>Fractions</u>	<u>Money</u>	<u>Weight</u>	<u>Position &amp; Direction</u>
<u>Spring</u> <u>Term</u> <u>2<sup>nd</sup> half</u>	<u>Capacity</u>	<u>Addition</u>	<u>Subtraction</u>	<u>Multiplication</u> <u>Division</u> <u>Time</u>
<u>Summer</u> <u>Term</u> <u>1<sup>st</sup> half</u>	<u>Statistics</u>	<u>Shape</u>	<u>Fractions</u>	<u>Money</u>
<u>Summer</u> <u>Term</u> <u>2<sup>nd</sup> half</u>	<u>Addition</u>	<u>Subtraction</u>	<u>Multiplication</u>	<u>Division</u>

