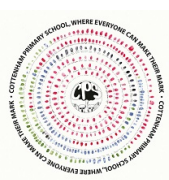




Cottenham Primary School Maths Medium Term Overview

Term: Autumn 2022		Year group: 3	
Week	Main theme:	NC Objectives:	Nrich links:
Weeks 1,2,3	Place Value	<ul style="list-style-type: none"> count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number Count in multiples of 25 (to support work on scales, measure, number lines, doubling and halving, fractions and link with decimals)Not NC objective for year 3 recognise the place value of each digit in a three-digit number (hundreds, tens, ones) Ensure 2 digit numbers are secure compare and order numbers up to 1000 identify, represent and estimate numbers using different representations read and write numbers up to 1000 in numerals and in words Go beyond 1000 to support addition of 3 digit numbers and measure work.Not NC objective for year 3 solve number problems and practical problems involving these ideas 	<p>How would we count? http://nrich.maths.org/8123 NRICH: Take Three Numbers * I NRICH: Three Neighbours ** I NRICH: Square Subtraction *** I NRICH: Planning a School Trip * p NRICH: Magic Vs ** P NRICH: Number Differences * G P NRICH: Sitting Round the Party Tables * P NRICH: Number Match * G NRICH: A Mixed-up Clock * P NRICH: That Number Square! * I</p>
Weeks 4,5,6	Addition / Subtraction & Algebra	<ul style="list-style-type: none"> add and subtract numbers mentally: Focus on securing addition and subtraction facts within 10/20. Use progression of fluency document as a guide. Not NC objective for year 3 including: a three-digit number and ones, a three-digit number and tens and a three digit number and hundreds, Only for chn secure with adding two digit number and ones. Tens and hundreds. solve problems, including missing number problems, using number facts, place value, and more complex addition and 	<p>NRICH: Buying a Balloon * P NRICH: Got It ** G NRICH: Make 37 ** P NRICH: Consecutive Numbers ** P I NRICH: Super Shapes * P NRICH: Strike it Out * G NRICH: Dice in a Corner *** P I NRICH: Domino Square ** P NRICH: Dicey Addition * G</p>

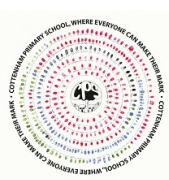




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		subtraction	NRICH: 4 Dom *** P NRICH: Finding Fifteen ** P NRICH: Half Time * P NRICH: Play to 37 * G NRICH: Build it Up * P I
Week 7	Geometry – Properties of shapes	<ul style="list-style-type: none"> recognise angles as a property of shape or a description of a turn identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle identify horizontal and vertical lines and pairs of perpendicular and parallel lines 	NRICH: Building Blocks * P NRICH: The Third Dimension *** NRICH: Rolling That Cube * P NRICH: Inky Cube *** P NRICH: Triple Cubes * I NRICH: Sponge Sections ** P NRICH: A Puzzling Cube * P NRICH: Arranging Cubes * G NRICH: Board Block Challenge *** NRICH: Square Corners ** P NRICH: Stick Images * G P NRICH: Overlapping Again ** P NRICH: Move Those Halves ** I
HALF TERM		•	
Week 8, 9	Multiplication and division	<ul style="list-style-type: none"> recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects 	NRICH: Ordering Cards * G P NRICH: Music to My Ears * P I NRICH: A Square of Numbers * G P NRICH: What do you Need? * P NRICH: This Pied Piper of Hamelin ** P NRICH: Follow the Numbers * P I NRICH: What's in the Box? * P NRICH: How Do You Do It? * P NRICH: Ip Dip * I NRICH: Journeys in Numberland *





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Weeks 10 and 11	Fractions and (decimals)	<ul style="list-style-type: none"> count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 [NB Y2 Objective] recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$, $\frac{3}{4}$ of a length, shape, set of objects or quantity recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators solve problems that involve all of the above 	NRICH: Fraction Match * G NRICH: Fraction Match * G
Weeks 12 and 13	Measures- Time	<ul style="list-style-type: none"> tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight know the number of seconds in a minute and the number of days in each month, year and leap year compare durations of events [for example to calculate the time taken by particular events or tasks] 	NRICH: What is the Time? * P NRICH: Two Clocks ** P NRICH: Clocks * P NRICH: The Time Is ... ** P NRICH: How Many Times? * I NRICH: 5 on the Clock *** I NRICH: Approaching Midnight G NRICH: Wonky Watches ** P NRICH: Watch the Clock *** P
Week 14	Statistics	<ul style="list-style-type: none"> interpret and present data using bar charts, pictograms and tables solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables 	NRICH: How Big Are Classes 5, 6 and 7? * P NRICH: Our Sports * I NRICH: Class 5's Names * P NRICH: Going for Gold * I NRICH: The Domesday Project * I NRICH: The Car That Passes * I NRICH: Now and Then ** P NRICH: Real Statistics *** P NRICH: If the World Were a Village * P NRICH: It's a Tie ** INRICH: The





Cottenham Primary School Maths Medium Term Overview

			Olympic Flame: Are You in the 95%? * P
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