

Medium term planning – Maths No Problem

Year 2/3

Spring Term 2022

Mathematical aspect	Curriculum statement	Linked to MNP planning - Refer to year group to merge the lessons Yr 3 objectives are in grey Refer to NCETM materials for subject knowledge and addition planning resources
Week 1-3	Fractions	<p>To recognise, find, name and write fractions</p> <p>To recognise and show equivalent fractions</p> <p>To show understanding of fractions including the associated language</p> <p>To compare fractions</p> <p>To calculate fractions of quantities</p> <p>To recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators</p> <p>To add and subtract fractions (this statement can be linked to year 2 teaching a to teach the concept of $\frac{2}{4}$ or $\frac{3}{4}$, $\frac{2}{4}$ is made up of $\frac{1}{4} + \frac{1}{4}$, and three quarters is made up of 3, one quarters which is equal to $\frac{1}{4} + \frac{1}{4} + \frac{1}{4}$)</p> <p>To solve problems in context</p> <p>Chapter 13 2B and chapter 11 3B textbook</p> <p>L1 yr2 Making equal parts (halves and quarters)/ different more equal parts for yr 3</p> <p>L2 yr 2 Showing half and quarter/ L1 yr 3 counting in tenths – find half and quarter and then find 10 equal parts and show this in tenths.</p> <p>L3 yr 2 showing quarters / L1 yr 3 – continue counting in tenths.</p> <p>L4 yr2 showing thirds/ relate third to L2 yr 3 making number pairs</p> <p>L5 yr2 Naming fractions/ Yr 3 refer to NCETM Spine 3: Fractions – Topic 3.2 Teaching point 2 to support resources https://www.ncetm.org.uk/media/3fbfwvyc/ncetm_spine3_segment02_y3.pdf</p> <p>L6 yr 2 Making equal fraction/ L6 yr 3 – finding equivalent fractions</p> <p>L6 yr 2 making equal fractions – link to Yr 2 SATs questions/ L7 yr 3 finding equivalent fractions.</p> <p>L7 yr 2 comparing and ordering fractions/ L15 Yr3 comparing and ordering fractions.</p> <p>L8 yr 2 comparing and ordering fractions/ L16 Yr3 comparing and ordering factions.</p> <p>L9 yr 2 counting wholes and parts/ L3 yr 3 adding fractions</p> <p>L10 yr 2 counting halves/ L4 yr 3 adding fractions</p> <p>L11 yr 2 counting in quarters / L5 yr 3 subtracting fractions.</p> <p>L13 yr2 finding part of a set/ L21 yr 3 finding part of a set</p> <p>L14 yr 2 finding part of a set/ L22 yr 3 finding part of a set.</p>

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Week 4	Time	<p>To tell and write the time from an analogue clock, including using Roman numerals from I to XII</p> <p>To read, write and convert time between analogue and digital 12 and 24hr clocks</p> <p>To estimate and read time with increasing accuracy</p>	<p><u>Chapter 14 yr 2 and Chapter 9 yr 3</u></p> <p>L1 yr 2 telling and writing the time/ L1 yr 3 telling the time</p> <p>L2 yr 2 telling and writing the time/ L2 yr 3 telling the time</p> <p>L4 yr 2 Drawing hands on the clock/ L3 yr telling the time</p> <p>L5 yr 2 Finding duration of time (link to the 5 times tables) L4 yr 3 Telling the time</p> <p>L6 yr 2 Finding duration of time/ L5 yr 3 telling the time</p>
Weeks 5/6	Money	<p>To calculate amounts of money</p>	<p><u>Chapter 10 yr 2 and chapter 8 yr 3</u></p> <p>L1 yr 2 writing amounts of money/ L1 yr 3 Naming amount of money</p> <p>L2 yr 2 counting money/ L2 yr 3 naming amounts of money</p> <p>L3 yr 2 counting money / L4 yr 2 to differentiate for y3 learning</p> <p>L5 yr 2 showing equal amount/ L3 yr 3 showing amounts of money</p> <p>L6 yr 2 exchanging money/ L3 yr 3 showing amounts of money continued.</p> <p>L8 yr 2 Calculating total amount/ L4 yr 3 Adding money</p> <p>L9 yr 2 Calculating change/ L8 yr 3 subtracting money</p> <p>L10 yr 2 solving word problems/ L13 yr 3 solving problems</p>
Weeks 6 - 9	Geometry: properties of shapes & position and direction	<p>To draw 2-D shapes and recognise lines of symmetry</p> <p>To make 3-D shapes using modelling materials</p> <p>To recognise, compare and classify geometric shapes</p> <p>To recognise and identify angles in shapes</p> <p>To identify right angles, acute and obtuse angles</p> <p>To identify horizontal and vertical lines and pairs of perpendicular and parallel lines</p>	<p><u>Yr 2: Chapter 11 and 12 (separate maths lessons)</u></p> <p>L1 yr 2 Identifying sides</p> <p>L2 yr 2 identifying vertices</p> <p>L3 yr 2 lines of symmetry</p> <p>L5 yr 2 sorting shapes</p> <p>L7 yr 2 making patterns</p> <p>L8 yr making patterns</p> <p>CONSOLIDATE PREVIOUS LEARNING OF ADD/SUB/MULT/DIVIDE TO KEEP IN LINE WITH YR 3</p> <p><u>Y3: chapter 12 angles (separate maths lessons)</u></p> <p>L1 making angles</p> <p>L3 Finding angles in shapes</p> <p>L4 Finding right angles</p>

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		<p>To recognise and complete a simple symmetrical figure</p> <p>To describe positions on a 2D grids as coordinates in the first quadrant</p> <p>To describe movements between positions as translations</p> <p>To plot specified points and draw sides to complete a given polygon</p>	<p>L5 Comparing angles</p> <p><u>Y3: Chapter 13 lines and shape</u></p> <p>L1 identifying perpendicular lines</p> <p>L2 Identifying parallel lines</p> <p>L4 Describing 2-D shapes</p> <p>Yr 2 L6 Drawing shapes/ Y3 L5 drawing 2-d shapes</p> <p>Y2 L 9 Moving shapes/ Y3 (Chapter 12) L7 Making turns</p> <p>Y2 L10 Turning shapes/ Y3 (Chapter 12) L7 Making turns</p> <p>L1 yr 2 (Chapter 12) recognising 3-shapes/ Y3 (Chapter 13) L8 Describing 3-d shapes</p> <p>Yr 2 L2 Describing 3-d shapes/ Yr 3 L6 making 3-D shapes.</p>
Week 10	Addition and subtraction	To add and subtract numbers. using appropriate strategy	<p><u>Yr 2 Chapter 2 & Yr 3 Chapter 2 – addition and subtraction</u></p> <p>Yr2 L5 Adding with renaming/ Yr3 L6 adding with renaming</p> <p>Y2 L6 Adding with renaming/ Y3 L7 adding with renaming</p> <p>Y2 L11 Subtracting with renaming / Y3 L16 subtracting with renaming</p> <p>Y2 L12 subtracting with renaming/ Y3 L17 subtracting with renaming</p> <p>Y3 L20 (for yr 2 learning) using models/ Y3 L21 Using models</p>
Week 11	Picture graphs (linked to add/sub and difference)	<p>To interpret and present data</p> <p>To solve comparison, sum and difference problems using represented information</p>	<p><u>Y2 Chapter 8 Picture graphs & Yr 3 Chapter 10 Picture graphs and bar graphs</u></p> <p>Yr 2 L1 Reading picture graphs / For yr 3 – Yr2 L2 Reading picture graphs</p> <p>Y2 L3, L4 & L5 combined – reading picture graphs/ Y3 L1 Drawing picture graph</p> <p>Y3 L2 Drawing bar graphs / Yr2 differentiate learning</p> <p>Y3 L3 Reading bar graphs / Yr2 differentiate learning</p> <p>Y3 L4 reading bar graphs / yr 2 differentiate learning linked to add/sub</p>

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<p>Week 12</p>	<p>Measurement</p>	<p>To measure, compare and convert between units of measure</p> <p>To measure and calculate perimeters</p> <p>To find the area of rectilinear shapes by counting squares</p> <p>To calculate amounts of money</p>	<p><u>Y2 Chapter 5 Length & Y3 chapter 5 length</u> L1 Measuring length in metres / Yr 3 L1 Writing length in metres and centimetre L2 Measuring length centimetre/ Yr 3 L2 writing length in centimetre. <u>Y2 Chapter 6 Mass & Y3 chapter 6 Mass</u> Y2 L1 &L2 Measuring mass in kilograms and grams/ Yr 3 L1 reading weighting scales Y2 L3 Measuring mass (link to TAF in yr2 – read scales where not all numbers are given) Y3 L3 Reading weighting scales Y2 L6 Solving problems/ Y3 L5 solving word problems</p>
	<p>In Yr 2 SATS week Yr 3's will do perimeter</p>		