

PLEASE SEE LONG TERM MAP BELOW FOR COLOUR CODE INFO

Weeks	➤ Core content coverage (Taken from Woodlands LT maps)	➤ Learning objectives (Taken from NC)	➤ Big Maths Coverage
<ul style="list-style-type: none"> ➤ Week1- Stats and number ➤ Week2 - Addition formal methods of calc 	<ul style="list-style-type: none"> ➤ Order and compare whole numbers and decimals ➤ Negative numbers ➤ Formal methods of calc 	<ul style="list-style-type: none"> ➤ Week 1 ➤ Order and compare numbers beyond 1000 ➤ Identify, represent and estimate numbers using different representations ➤ Round any number to the nearest 10 ➤ Count backwards through zero to include negative numbers ➤ Count in multiples of 1000 ➤ Find 1000 more or less than a given number ➤ Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) ➤ Week2 ➤ Add and subtract numbers with up to 4 digits, using formal written methods of addition and subtraction. ➤ Solve addition 2 step problems in contexts, deciding which operations and methods to use and why. 	<ul style="list-style-type: none"> ➤ Week 1- ➤ Place Value of Digits ➤ Times tables ➤ Order and compare numbers ➤ Formal methods of calc (addition) ➤ Week 2- ➤ Counting in multiples of 1000 ➤ Times tables- known and derived facts ➤ Oral decimal counting ➤ Formal methods of calc (subtraction) ➤ Every week- recall multiplication and division facts for multiplication tables up to 12 × 12
<ul style="list-style-type: none"> ➤ Week 3 – Subtraction- formal methods of calc ➤ Week 4 – Subtraction Measure and Number 	<ul style="list-style-type: none"> ➤ Formal methods of calc ➤ Word problems - 2 step- Based on calc, taught ➤ Time reading & converting – analogue and digital ➤ Time problems 	<ul style="list-style-type: none"> ➤ Week 3 ➤ Add and subtract numbers with up to 3 digits using the formal written methods of columnar addition and subtraction where appropriate ➤ Estimate and use inverse operations to check answers to a calculation ➤ Add and subtract numbers mentally ➤ solve addition and subtraction two-step problems in contexts ➤ find 1000 more or less than a given number ➤ Week 4 ➤ read, write and convert time between analogue and digital 12- and 24-hour clocks ➤ Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why 	<ul style="list-style-type: none"> ➤ Week 3 ➤ 1000 more or less ➤ Times tables ➤ $x \div$ by 10/100 ➤ Formal methods of calc (addition) ➤ Week 4 ➤ Oral decimal counting ➤ Times tables ➤ $x \div$ by 10/100 ➤ Formal methods of calc (subtraction) ➤ Every week- recall multiplication and division facts for multiplication tables up to 12 × 12

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<ul style="list-style-type: none"> ➤ Week 5 multiplicatio n- formal methods of calc- ➤ Week 6 Times tables Know & derived facts ➤ Measure and Number 	<ul style="list-style-type: none"> ➤ Formal methods of Calc ➤ Times tables ➤ Know & derived facts ➤ Word problems - 2 step- Based on calc, taught ➤ Estimate, compare & calculate diff measures ➤ Perimeter of rectilinear shapes 	<ul style="list-style-type: none"> ➤ Week 5 ➤ Recall multiplication and division facts for multiplication tables up to 10×10 ➤ Use place value, known and derived facts to multiply mentally ➤ Recognise and use factor pairs and commutativity in mental calculations ➤ Solve problems involving multiplying and adding ➤ multiply two-digit and three-digit numbers by a one-digit number (and 2) using formal written layout ➤ ☑ add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate ➤ Count backwards through zero to include negative numbers ➤ multiply two-digit and three-digit numbers by a one-digit number (and 2) using formal written ➤ Week 6 ➤ Use place value, known and derived facts to multiply mentally ➤ Convert between different units of measure ➤ Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres ➤ Estimate, compare and calculate different measures ➤ Read measurement scales with increasing accuracy ➤ (Geometry – properties of shapes) <ul style="list-style-type: none"> ○ Compare and classify geometric shapes, including quadrilaterals) ➤ Round any number to the nearest 10 ➤ use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers ➤ ☑ recognise and use factor pairs and commutativity in mental calculations 	<ul style="list-style-type: none"> ➤ Week 5 ➤ -Counting in multiples (some decimal counting and negative numbers) ➤ -Times tables ➤ -Known and derived facts ➤ -Formal methods of Calc (multiplication) ➤ Week 6 ➤ Core numbers (rounding) ➤ Times tables ➤ Known and derived facts/coin mult ➤ Mental method of calc - division ➤ Every week- ☑ recall multiplication and division facts for multiplication tables up to 12×12
<ul style="list-style-type: none"> ➤ Week 7 and 8- Measure and number ➤ Formal methods of calc- Division and Geo and 	<ul style="list-style-type: none"> ➤ Weeks 7 and 8 ➤ Perimeter of rectilinear shapes ➤ Area of rectilinear shapes by counting ➤ Estimate, compare & calculate diff 	<ul style="list-style-type: none"> ➤ Week7 ➤ Convert between different units of measure ➤ Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres ➤ Estimate, compare and calculate different measures ➤ Read measurement scales with increasing accuracy ➤ round decimals with one decimal place to the nearest whole number 	<ul style="list-style-type: none"> ➤ Week 7 ➤ CORE numbers - rounding ➤ Timestables ➤ Coin mult ➤ Mental methods of calc - division

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<p>number</p> <p>➤ -</p>	<p>measures</p> <p>➤ Rounding decimals</p> <p>➤ Formal method of calc</p> <p>➤ Roman numerals</p>	<p>➤ round any number to the nearest 10, 100 or 1000</p> <p>➤ use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers</p> <p>➤ recognise and use factor pairs and commutativity in mental calculations</p> <p>➤ Week 8</p> <p>➤ Division</p> <p>➤ Become fluent in formal method of division - two-digit and three-digit numbers by a one-digit number using formal written layout (chunking)</p> <p>➤ read Roman numerals to 100 (I to C) and know that over time, the numeral system</p> <p>➤ changed to include the concept of zero and place value.</p> <p>➤ Count in multiples of ,.....25</p> <p>➤ Add and subtract numbers mentally</p>	<p>➤ Week 8 (3 days)</p> <p>➤ Counting in multiples of 25 (and $\frac{1}{4}$ and 0.25s)</p> <p>➤ Times tables</p> <p>➤ Mental methods of calc- add and sub</p> <p>➤ Every week- recall multiplication and division facts for multiplication tables up to 12×12</p>
<p>➤ <u>TERM 2</u></p> <p>➤ Week 1 Stats and number</p> <p>➤ Week 2 - Stats and number</p>	<p>➤ TERM 2</p> <p>➤ Week 1</p> <p>➤ Bar graphs & time graphs – interpret & make</p> <p>➤ Solve problems on graphs</p> <p>➤ Word problems - 2 step</p> <p>➤ Week2</p> <p>➤ Equivalent fractions</p> <p>➤ Fractions of quantities</p>	<p>➤ TERM 2</p> <p>➤ Week1</p> <p>➤ interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.</p> <p>➤ solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.</p> <p>➤ compare and order numbers up to 1000</p> <p>➤ find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths</p> <p>➤ Add and subtract numbers with up to 4 digits, using formal written methods of addition and subtraction.</p> <p>➤ Week2</p> <p>➤ recognise and show, using diagrams, families of common equivalent fractions</p> <p>➤ recognise and write decimal equivalents to $\frac{3}{4}$ $\frac{1}{2}$</p> <p>➤ solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the</p>	<p>➤ TERM 2</p> <p>➤ Week 1</p> <p>➤ Order & compare numbers (whole and decimal)</p> <p>➤ Times tables</p> <p>➤ \div by 10/100 - 1 and 2 digit numbers and decimals</p> <p>➤ Formal methods of calc- column addition</p> <p>➤ Week 2</p> <p>➤ Counting in tenths and hundredths- decimal equivalents</p> <p>➤ Times tables</p> <p>➤ \times by 10/100 -include decimals</p>

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		<p>answer is a whole number</p> <ul style="list-style-type: none"> ➤ recognise and write decimal equivalents of any number of tenths or hundredths ➤ find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths ➤ \square add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate 	<ul style="list-style-type: none"> ➤ Formal methods of calc-column subtraction ➤ Every week- \square recall multiplication and division facts for multiplication tables up to 12×12
<ul style="list-style-type: none"> ➤ Week 3- Geometry & Number ➤ Week 4 Geometry & Number 	<ul style="list-style-type: none"> ➤ Week3 ➤ Mental maths ➤ Known & derived facts for mental calcs (eg $2 \times 6 \times 5$, 10×6) ➤ Rounding whole numbers ➤ Week4 ➤ + & - fractions (same denom.) ➤ Fraction & decimal problems, measure problems, money problems 	<ul style="list-style-type: none"> ➤ Week 3 ➤ use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers ➤ Continue to practise mental addition and subtraction. ➤ round any number to the nearest 10, 100 or 1000 ➤ find 1000 more or less than a given number ➤ recognise and use factor pairs and commutativity in mental calculations ➤ Continue to practise mental methods ➤ Week 4 ➤ add and subtract fractions with the same denominator ➤ solve simple measure and money problems involving fractions and decimals to two decimal places ➤ \square count in multiples of 6, 7, 9, 25 and 1000 ➤ Become fluent in formal method of multiplication - two-digit and three-digit numbers by a one-digit number using formal written layout - short multiplication ➤ 	<ul style="list-style-type: none"> ➤ Week 3 ➤ 1000 more/less ➤ Times tables ➤ Wheres Mully (known and derived facts) ➤ Mental calcs ➤ Week 4 ➤ Counting in multiples... ➤ Times tables ➤ Jigsaw numbers ➤ Formal methods of calc - chunking ➤ Every week- \square recall multiplication and division facts for multiplication tables up to 12×12
<ul style="list-style-type: none"> ➤ Week 5 Geometry & Number ➤ Week6 Stats and number 	<ul style="list-style-type: none"> ➤ Week 5 ➤ Classify shapes ➤ Coordinate ➤ Translations 	<ul style="list-style-type: none"> ➤ Week 5 ➤ compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes ➤ describe positions on a 2-D grid as coordinates in the first quadrant ➤ describe movements between positions as translations of a given unit to the left/right and up/down plot specified points and draw sides to complete a given polygon. 	<ul style="list-style-type: none"> ➤ Week5 ➤ CORE numbers- order and compare decimals ➤ Times tables ➤ Rounding decimals ➤ Formal methods of calcs - division

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	<ul style="list-style-type: none"> ➤ Week 6 ➤ Equivalent fractions ➤ Fractions of quantities ➤ Fraction & decimal problems, measure problems, money problems 	<ul style="list-style-type: none"> ➤ Week 6 ➤ recognise and show, using diagrams, families of common equivalent fractions ➤ recognise and write decimal equivalents to $\frac{3}{4}$ $\frac{1}{4}$ $\frac{1}{2}$ ➤ solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number ➤ LOs met through CLIC over the 2 weeks ➤ round decimals with one decimal place to the nearest whole number ➤ compare numbers with the same number of decimal places up to two decimal places ➤ count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. ➤ Become fluent in formal method of division - two-digit and three-digit numbers by a one-digit number(move to 2) using formal written layout (chunking) ➤ ➤ add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate 	<ul style="list-style-type: none"> ➤ Week 6 ➤ Count in hundredths ➤ Times tables ➤ Rounding decimals ➤ Formal methods of calcs - Addition and subtraction ➤ Every week- recall multiplication and division facts for multiplication tables up to 12×12
<ul style="list-style-type: none"> ➤ Week7- Geometry & Number 	<ul style="list-style-type: none"> Week 7 ➤ Identify angles, symmetry ➤ Mental Maths 	<ul style="list-style-type: none"> Week 7 ➤ identify acute and obtuse angles and compare and order angles up to two right ➤ angles by size ➤ identify lines of symmetry in 2-D shapes presented in different orientations ➤ complete a simple symmetric figure with respect to a specific line of symmetry. ➤ Continue to work using mental methods of all 4 calculations. 	<ul style="list-style-type: none"> Week 7 ➤ Focus on timestables and any gaps identified through CLIC ➤ Every week- recall multiplication and division facts for multiplication tables up to 12×12

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Year 4 Long Term Map		Big Maths (Core Number & Numerical Frequency)		
		<p>Count in multiples of 6, 7, 9, 25, 1000</p> <ul style="list-style-type: none"> • 1000 more or less • Place value of digits • Order & compare numbers (whole and decimal) • Formal methods of calc • Mental methods of calculation 	<ul style="list-style-type: none"> • Times tables • Know & derived facts • Oral decimal counting • FDP equivalents • $X \div 10, 100$, etc 	
		Measure & Number	Geometry & Number	Stats & Number
Core Content		<ul style="list-style-type: none"> • Conversion • Perimeter of rectilinear shapes • Area of rectilinear shapes by counting • Estimate, compare & calculate diff measures • Time reading & converting – analogue and digital • Time problems • Order and compare numbers whole & decimal • Identify, represent & estimate numbers • Counting in hths; recognising hths • Fractions of quantities • x & $\div 10, 100, 1000$ • Rounding decimals 	<ul style="list-style-type: none"> • Classify shapes • Identify angles, symmetry • Coordinate • Translations • Rounding whole numbers • Roman numerals • Known & derived facts for mental calcs (eg $2 \times 6 \times 5$, 10×6) • Ratio & scaling • + & - fractions (same denom.) • Mental maths 	<ul style="list-style-type: none"> • Bar graphs & time graphs – interpret & make • Solve problems on graphs • Negative numbers • Use inverse and estimation • Equivalent fractions • Fractions of quantities • Order & compare whole numbers & decimals (bridge to fractions). • Counting in hths & recognising hths
	Problem solving	<p>Word problems - 2 step - Based on calc, taught</p> <p>Fraction & decimal problems, measure problems, money problems</p>		
Extension content: Problem solving & reasoning	<p>Unit appropriate problem solving</p> <p>Rich activities</p> <p>Ratio</p> <p>Fractions</p>			

NB – For more detail of each area, revisit NC; look at year before and after for further support in differentiating

Maths Medium Term Planning
Woodlands Primary School

Year Group: Year 4
Term: 1 and 2

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