

Woodhouse Primary School



Coverage of Maths National Curriculum objectives

Rationale: At Woodhouse Primary School we encourage our pupils to be confident, resilient mathematicians with a love of learning and no fear of ‘grappling’ with difficult concepts and those expressed in an unfamiliar way. In our school, children are scaffolded, extended and supported through rapid teacher intervention, use of equipment and choice of strategies e.g. jottings/mental/resources. As such teaching is both enabling and extending.

Year group: Year 4

Place value	1. Count in multiples of 6, 7, 9, 25 and 1000
	2. Find 1000 more or less than a given number
	3. Count backwards through zero to include negative numbers
	4. Recognise the place value of each digit in a four-digit number (THTO)
	5. Order and compare numbers beyond 1000; identify, represent and estimate numbers using different representations
	6. Round any number to the nearest 10, 100 or 1000
	7. Read Roman numbers to 100 (I to C) and know that over time the number system changed
Add/Sub	8. Add and subtract numbers with up to 4 digits using formal written methods
	9. Estimate and use inverse operations to check answers to a calculation
	10. Solve addition and subtraction 2 step problems in contexts
Mult/Div	11. Recall multiplication/division facts for times tables up to 12x12
	12. Use place value and known/derived facts to multiply/divide mentally (including by $\times 0/1$, $\div 1$, $U \times U \times U$)
	13. Recognise and use factor pairs and commutativity
	14. Multiply two/three digit numbers by a one digit number using formal written layout
	15. Solve problems including using the distributive law for $TU \times U$, integer scaling problems and harder correspondence problems
Fractions	16. Recognise and show, using diagrams, families of common equivalent fractions
	17. Count up and down in hundredths; recognise that hundredths arise when dividing by 100
	18. Add and subtract fractions with the same denominator
	19. Recognise and write decimal equivalents of any number of tenths or hundredths
	20. Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$
	21. Find the effect of dividing a 1 or 2 digit number by 10/100 identifying the digits in the answer
	22. Round decimals with one decimal place to the nearest whole number
	23. Compare numbers with the same number of decimal places up to 2 dp

Measure	24. Convert between different units of measure (e.g. km to m, hours to minutes)
	25. Measure and calculate the perimeter of a rectilinear figure in cm and m
	26. Find the area of rectilinear shapes by counting squares
	27. Estimate, compare and calculate different measures including money in £ and p
	28. Read, write and convert time between analogue and digital 12/24 hour clocks
	29. Solve problems involving converting from hours to minutes, minutes to seconds, years to months etc)
Geometry	30. Compare and classify geometric shapes (inc quad/triangles) based on their properties/sizes
	31. Identify acute/obtuse angles and compare/order angles up to 180° in size
	32. Identify lines of symmetry in 2D shapes presented in different orientations
	33. Complete a simple symmetric figure with respect to a specific line of symmetry
	34. Describe positions on a 2D grid as coordinates in the first quadrant
	35. Describe movements between positions as translations of left/right and up/down
	36. Plot specified points and draw sides to complete a given polygon
Stats	37. Interpret and present discrete and continuous data using appropriate graphs
	38. Solve comparison, sum and difference problems using information presented in graphs