

Year 3 Maths Curriculum Overview

Number and place value

Pupils will learn how to:

- recognise the place value of each digit in a three-digit number (hundreds, tens, ones)
- compare and order numbers up to 1000
- identify, represent and estimate numbers using different representations
- solve number problems and practical problems involving these ideas
- count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number
- read and write numbers up to 1000 in numerals and in words
- recognise the place value of each digit in a three-digit number (hundreds, tens, ones)

Calculation - addition and subtraction

Pupils will learn how to:

- add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction
- estimate the answer to a calculation and use inverse operations to check answers
- solve problems, including missing number problems, using number facts, place value
- add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds
- solve problems, including more complex addition and subtraction



Calculation – multiplication and division

Pupils will learn how to:

- recall and use multiplication and division facts for the 3 and 4 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
- 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 methods
- recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables

Statistics

Pupils will learn how to:

- interpret and present data using bar charts, pictograms and tables
- solve one-step and two-step questions such as ‘How many more?’ and ‘How many fewer?’ using information presented in scaled bar charts and pictograms and tables



Measure

Pupils will learn how to:

- add and subtract amounts of money to give change, using both £ and p in practical contexts
- measure, compare: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
- measure the perimeter of simple 2-D shapes
- tell and write the time from an analogue clock
- know the number of seconds in a minute and the number of days in each month, year and leap year
- 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, hours and o'clock; use vocabulary such as a.m./p.m., morning, afternoon, noon and midnight
- compare durations of events, for example to calculate the time taken by particular events or tasks
- measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
- estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes, hours and o'clock; use vocabulary such as a.m./p.m., morning, afternoon, noon and midnight

Geometry

Pupils will learn how to:

- draw 2-D shapes and make 3-D shapes using modelling materials
- identify horizontal and vertical lines
- recognise that angles are a property of shape or a description of a turn
- recognise 3-D shapes in different orientations and describe them



- recognise three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle
- draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them
- 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

Number- fractions

Pupils will learn how to:

- recognise and show, using diagrams, equivalent fractions with small denominators
- begin to compare and order unit fractions, and fractions with the same denominators
- solve problems that involve all of the above
- 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
- solve problems that involve all of the above
- compare and order unit fractions, and fractions with the same denominators
- recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators
- solve problems that involve all of the above



Northstar
New School

ASSESSMENTS:

- Headstart Primary End of Unit assessments
- Puma End of Term Assesements