

Year 4 Maths – Autumn 1

Counting

- Count in multiples of 6, 7, 9, 25 and 1000
- Recall multiplication and division facts for tables up to 12×12 .

Hook for learning:

- **Links to LCC;** rich 'Roman Numerals'
Can you find some examples when the number of Roman numerals is fewer than the number of Arabic numerals for the same number?

Number and Place value

- Represent numbers using different resources
- Round to the nearest 10 and 100
- Count in 1000s
- Reasoning and problem solving: Rounding
- Represent 4-digit numbers using a range of resources
- Fill in intervals on a number line to 10,000
- Write numbers between two different values on a number line
- Reasoning and problem solving: 1000s, 100s, 10s, 1s
- Convert Roman Numerals to the Arabic number system

Learning Challenge/Science links

- Read Roman numerals to 100 (1 to C) and know that, over time, the numeral system changed to include the concept of zero and place value.
- Read and record temperature using negative numbers. Present data using graphs and charts.

Addition and Subtraction

- Add and subtract 1, 10, 100, 1000 to and from any 4-digit number
- Add 4-digit numbers using column method (no exchange)
- Add 4-digit numbers using column method (exchange in 1 column)
- Add 4-digit numbers using column method (exchange in more than 1 column)
- Reasoning and problem solving: add two 4-digit numbers
- Subtract 4-digit numbers using the column method where exchange is required and where there is a zero in a column to be exchanged from.
- Learn the equivalent difference method of subtraction
- Round to decide if calculations are accurate
- Check answers using inverse and estimate by rounding
- Solve 1 step and multi-step problems
- Use bar modelling to aid problem solving

Non-negotiables:

- To recognise place value of any 4-digit number.
- Add & Subtract numbers up to 4-digit using effective written method.
- Can order numbers to 1000

Exceeding Expectations

- Challenge activities for each objective (deepening understanding, white rose)

Maths –Weekly

Week 1: Place Value

- Numbers to 1000
- Know the value of 100s, 10s, 1s
- Position numbers on a number line to 1000
- Round to the nearest 10

Times table focus: 4

M counting 2, 4 Rock Stars Garage
T counting 1s, 10s
W counting 2, 4, 8 Rock Stars Soundcheck
Th counting 4 Rock Stars Studio
Fr counting negative numbers

Week 2: Place Value

- Round to the nearest 100
- Count in 1000s
- Know the value of 1000s, 100s, 10s, 1s
- Partition 4-digit numbers

Times table focus: 8

M counting 4, 8 Rock Stars Garage
T counting 1s, 10s, 100s
W counting 2, 4, 8 Rock Stars Soundcheck
Th counting 8 Rock Stars Studio
Fr counting negative numbers

Week 3: Place Value

- Position numbers on a number line to 10,000
- Find 1, 10, 100 more or less
- 1000 more
- Compare 4-digit numbers

Times table focus: 6

M counting 6, 12 Rock Stars Garage
T counting 100s, 1000s
W counting 6, 12 Rock Stars Soundcheck
Th counting 6 Rock Stars Studio
Fr counting decimals

Week 4: Place Value

- Order numbers to 10,000
- Round to the nearest 1000
- Count in 25s
- Negative numbers

Times table focus: 7

M counting 7 Rock Stars Garage
T counting 10, 100, 1000
W counting 7 Rock Stars Soundcheck
Th counting 7 Rock Stars Studio
Fr counting decimals

Week 5: Place Value/Addition and Subtraction

- Roman numerals
- Add and subtract 1s, 10s, 100s, 1000s
- Add two 4-digit numbers – no exchange

Times table focus: 9

M counting 3, 9 Rock Stars Garage
T counting 25s
W counting 3, 9 Rock Stars Soundcheck
Th counting 9 Rock Stars Studio
Fr counting fractions

Week 6: Addition and Subtraction

- Add two 4-digit numbers – one exchange
- Add two 4-digit numbers – more than one exchange
- Subtract two 4-digit numbers – no exchange
- Subtract two 4-digit numbers – one exchange

Times table focus: 11

M counting 11 Rock Stars Garage
T counting 25s
W counting 11 Rock Stars Soundcheck
Th counting 11 Rock Stars Studio
Fr counting time