Crosby Primary School
Mathematics Medium Term Plan
Year 4 Autumn Term Unit 2
Addition and Subtraction

Focus: Addition and Subtraction

Time: 3 weeks

Times Tables 3NF-2, 4NF-1
6x table – recall multiples, missing numbers, division facts, fractions.
Count in 9s

R2P: 4NF-3, *Check 3AS-1, 3AS-2, 3AS-3*
NC:
Add and subtract numbers with up to four digits, using formal written methods of columnar addition and subtraction where appropriate.
Estimate the answer to a calculation and inverse operations to check calculations.
Solve addition and subtraction problems, deciding which operations and methods to use and why.

Existing Vocabulary
Addition
Add, more, and, make, sum, total
Altogether, double, near double
Half, halve
One more, two more…ten more..
One hundred more..
How many more to make..?
How many more is….than…?
How much more is…?
Subtract, takeaway
How many are left/left over?
How many have gone?
One less, two less, ten less….
One hundred less
How many fewer is…than…?
How much less is…?
Difference between
Equals, is the same as
Number bonds/pairs/facts
Missing number
Tens boundary, hundreds boundary

New Vocabulary
Inverse
Rounding
Hundred boundary
Thousands
One thousand more/less…

Concept Sequence

Add and Subtract 1s 10s 100s 1000s – introduce adding and subtracting thousands. Use concrete representations before moving to abstract. Mental methods.

Add up to two 4digit numbers no exchange – written method - use concrete equipment and a place value grid alongside column methods.

Add up to two 4digit numbers, one exchange - use place value grid alongside column methods.

Add up two 4digit numbers, more than one exchange - use equipment alongside to secure understanding of exchange.

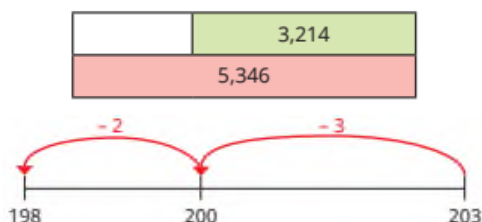Subtract two 4 digit numbers, no exchange

Subtract two 4 digit numbers, one exchange - use place value counters to model exchange and match with column methods.

Subtract two 4 digit numbers, more than one exchange – use manipulatives to support.

Efficient subtraction - use understanding of mental methods and column methods to find most efficient method. Look at partition, take away or find the difference.

Estimation – use rounding to estimate answers for calculations and problems.

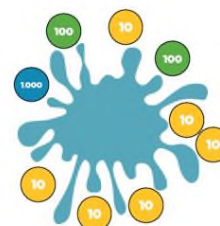Checking strategies – inverse operations rather than repeating errors.

Resources
Objects, Counters/cubes, base 10, arrow cards, number lines, Place Value Grid, Place Value counters
Gordons Maths Games, Mathletics, TTRockstars
BBC Super Movers
https://www.bbc.co.uk/teach/supermovers/ks1-maths-collection/z6v4scw

Planning Links
Power Maths/White Rose/Maths No Problem/Aspire
White Rose Scheme of Work:
https://assets.whiterosemaths.com/new-schemes/Y4%20Autumn%20Block%202%20SOL%20Addition%20and%20subtraction.pdf
NCETM Teacher Guide and Representations:
https://www.ncetm.org.uk/teaching-for-mastery/mastery-materials/primary-mastery-professional-development/number-addition-and-subtraction/