Year 3 – Autumn 1

Counting
Count on/back in steps of 2s, 5s, 10s, 3s to 100 and beyond, from 0 and any given number
Count on/back in 4s from 0 to 100
Count on/back in 50s and 100s from 0 to 1000
Find 10/100 more or less than a given number up to 500

Number and Place value
Partition 3 digit numbers (hundreds, tens and ones)
Represent 3 digit numbers using different diagrams and resources

Calculation
Add/subtract: 2-digit and 1-digit numbers, a 2-digit number and tens, two 2- digit numbers and add 3 one digit numbers.

Hook for learning:
Links to Learning challenge.
Real life problem solving opportunities.

Learning Challenge links
Can you count on and back from the year a volcano erupted in 4's, 8's 50's and 100's?
Can you find the difference between 2 rector scale measurements?
Can you weigh a selection of rocks to the nearest gram?
Can you calculate the difference in weight between selections of rocks?

Fractions and decimals
Include decimals and tenths when looking at the Richter scale.

Non-negotiables:
Compare and order numbers up to 1000.
Find 10 or 100 more/less than a given number. Recognise place value of any 3-digit number
Add & subtract numbers with up to 3-digit using efficient written method.

Statistics Draw a bar charts based on weights of different rocks.

Meeting Expectations
Recognise the value of each digit in a 3-digit number
Add and subtract mentally combinations of 1-digit and 2-digit numbers
Identify right angles; compare other angles to being greater or smaller than a right angle
Solve number problems using one and two step operations

Exceeding Expectations
Add and subtract numbers with any number of digits using formal written methods
Use knowledge of number to solve problems related to money, time and measures.

Maths –Weekly

Week 1: Place value.
Recognise place value of each digit in a 3-digit number (hundreds, tens, ones)
Represent numbers up to 1000 using different diagrams and practical
resources

Week 2: Place Value
Read and write numbers up to 1000 in digits and words
Partition and combine 3 digit numbers using different resources and diagrams

Week 3: Place Value
Compare, order and represent numbers to 1000
Find 1, 10 or 100 more or less than numbers up to 1000

Week 4: Addition and Subtraction
Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction

Week 5: Addition and Subtraction
Solve problems, including missing number problems, using number facts, place value, and more
complex addition and subtraction

Week 6: Addition and Subtraction (2)
Use mental strategies to solve addition/subtraction problems
Estimate the answer to a calculation and use inverse operations to check answers

Week 7: Addition and Subtraction (2)
Solve a range of problems using mental and written methods of addition and subtraction