# Autumn term – Maths

**Synopsis:**

| Make Observations | |
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| **Maths** | |
| **Number Sense** | count in steps of 2, 3, and 5 from 0, and in 10s from any number, forward and backward<br>recognise the place value of each digit in a two-digit number (10s, 1s)<br>compare and order numbers from 0 up to 100; use <, > and = signs<br>identify, represent and estimate numbers using different representations, including the number line |
| **Addition & Subtraction** | add and subtract numbers using concrete objects, pictorial representations, and mentally, including a two-digit number and 1s, a two-digit number and 10s, 2 two-digit numbers, adding 3 one-digit numbers<br>solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures<br>recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100<br>solve problems with addition and subtraction: applying their increasing knowledge of mental and written methods<br>show that addition of 2 numbers can be done in any order (commutative) and subtraction of 1 number from another cannot<br>recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems |
| **Multiplication & Division** | calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs<br>solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts<br>recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers<br>show that multiplication of 2 numbers can be done in any order (commutative) and division of 1 number by another cannot |
| **Measurement** | choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels<br>compare and order lengths, mass, volume/capacity and record the results using >, < and = |