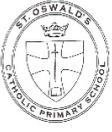


Year Group



YEAR 4 2022-2023

Objectives highlighted in yellow are 'Ready to Progress criteria' – children need to be secure on these before moving on

Autumn 1

Number – Place Value

Know that 10 hundreds are equivalent to 1 thousand, and that 1,000 is 10 times the size of 100; apply this to identify and work out how many 100s there are in other four-digit multiples of 100 **4NPV-1**

Recognise the place value of each digit in four-digit numbers, and compose and decompose four-digit numbers using standard and nonstandard partitioning. **4NPV-2**

Reason about the location of any 4 digit number in the linear number system, including identifying the previous and next multiple of 100 and 1000 **(4NPV-3)**

Count in multiples of 1000

Find 1000 more or less than a given number

Order and compare numbers beyond 1000

Identify, represent and estimate numbers using different representation

Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value

Round any number to the nearest 10, 100 or 1000 **(4NPV-3)**

Divide 1,000 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 1,000 with 2, 4, 5 and 10 equal parts. **(4NPV-4)**

Solve number and practical problems that involve all of the above and with increasingly large positive numbers, number and place value

Number – Addition and Subtraction

Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate

Estimate and use inverse operations to check answers to a calculation

Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why

Autumn 2

Measurement- Area

Find the area of rectilinear shapes by counting squares

Number- Multiplication and Division

Manipulate multiplication and division equations, and understand and apply the commutative property of multiplication. **(4MD-2)**

Recall multiplication and division facts for multiplication tables up to 12×12

(4NF-1) Count in multiples of 6, 7 and 9

Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1;

Multiply together 3 numbers

Solve division problems, with two-digit dividends and one-digit divisors, that involve remainders, and interpret remainders appropriately according to the context. **(4NF-2)**

Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 100) **(4NF-3)**

Count in multiples of 25

<p><u>Continuous objectives</u></p>	<p>The continuous objectives are woven into the teaching continually during the year. Children are given continual and regular opportunities to apply their knowledge to problem solving and reasoning.</p> <p>Solve number and practical problems that involve all of the above and with increasingly large positive numbers, number and place value</p> <ul style="list-style-type: none"> •estimate and use inverse operations to check answers to a calculation •solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why •solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects •solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number •solve simple measure and money problems involving fractions and decimals to two decimal places •solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days
<p><u>Key Basic skills to be taught continuously</u></p>	<p>Count from zero in multiples of 6, 7, 9, 25 and 1000 using bridging strategies as appropriate</p> <p>Use knowledge of complements to 100 to find change from whole pounds</p> <p>Use knowledge of complements to 60 to calculate time within an hour</p> <p>Recall multiplication facts and related division facts for tables up to 12 x 12</p> <p>Read and write numbers up to 10 000 and recognise the place value of each digit</p> <p>Recognise the place value of each digit in a four-digit number</p> <p>Compare and order numbers up to 10 000</p> <p>Partition numbers into place value columns</p> <p>Partition numbers in different ways</p> <p>Round any four-digit number to the nearest 10, 100 and 1000</p> <p>Use rounding to support estimation and calculation</p> <p>Use knowledge of place value to derive new addition and subtraction facts</p> <p>Use knowledge of inverse to derive associated addition and subtraction facts and check answers</p> <p>Double any number between 1 and 100 and find all corresponding halves</p> <p>Add and subtract mentally $THTU \pm U$, $THTU \pm T$, $THTU \pm H$, $TU \pm TU$ and $HTU \pm TU$</p> <p>Multiply numbers including decimals by 10 and 100</p> <p>Divide decimal numbers (to one decimal place) by 10</p> <p>Divide four-digit whole numbers by 100</p> <p>Use knowledge of inverse to derive associated multiplication and division facts</p> <p>Use known facts to derive new facts</p> <p>Use known facts to derive equivalent facts</p> <p>Count up and down in tenths and hundredths and recognise the equivalent decimal values</p> <p>Recall fraction and decimal pairs to 1</p> <p>Identify fractions greater or less than a half</p> <p>Identify equivalent fractions</p> <p>Order, add and subtract fractions with the same denominator</p> <p>Recognise decimal equivalents of fractions with a denominator of ten and one hundred and also decimal equivalents of half, one quarter and three quarters</p>

	<p>Round decimals with one decimal place to the nearest whole number</p> <p>Tell and write the time from a 12-hour analogue clock and a clock with Roman numerals and a digital clock display</p> <p>Read, tell and write the time from a 24-hour clock</p> <p>Convert between 12 and 24-hour clocks</p> <p>Convert between money and measures including time</p> <p>Recognise right angles, straight angles, half and full turns and relate the turn to a measurement in degrees</p> <p>Identify different types of angles including acute and obtuse</p>
--	--