St Benedict's Catholic Primary School
Progress in Skills: Mathematics:
Addition and Subtraction

With Jesus, we learn, love and laugh

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn Term	Read, write and interpret mathematical statements involving + - = signs. Represent and use number bonds and related subtraction facts within 20. Solve one-step problems that involve addition and subtraction, using concrete objects & pictorial representations & missing number problems. Add and subtract 1-digit and 2-digit numbers to 20 incl. zero.	Add and subtract numbers using concrete objects, pictorial representations and mentally incl. – 2-digit no. + ones - 2-digit no. + 10s - Two 2-digit nos. - Adding three 1-digit numbers	Add and subtract numbers, incl: - 3-digit no & ones - 3-digit no & tens - 3-digit no & hundreds Estimate the answer to a calculation & use the inverse operation to check answers. Solve problems incl. missing number problems.	Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.	Solve addition and subtraction multi-step problems in contexts deciding which operations & methods to use & why. Add and subtract numbers mentally with increasingly large numbers. Add & subtract whole numbers with more than 4-digits incl. using formal written methods (columnar addition and subtraction).	Solve addition and subtraction multi-step problems in contexts deciding which operations &methods to use & why. Perform mental calculations incl. with mixed operations and large numbers. Use knowledge of the order of operations to carry out calculations involving 4 operations.
Spring Term	Represent and use number bonds and related subtraction facts within 20. Solve one-step problems that involve addition and subtraction, using concrete objects & pictorial representations & missing number problems.	Solve problems with addition & subtraction: - Using concrete objects and pictorial representations, incl. those involving numbers, quantities and measure - Applying their increasing knowledge of mental and written methods Show that addition of 2 numbers can be done in any order (commutative) whereas subtraction cannot Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and	Add and subtract numbers with up to 3-digits using formal written methods of columnar addition and subtraction. Solve problems incl. more complex addition and subtraction.	Solve addition and subtraction 2-step problems in contexts, deciding which operations and methods to use and why.	Solve addition and subtraction multi-step problems in contexts deciding which operations & methods to use & why. Add and subtract numbers mentally with increasingly large numbers. Add & subtract whole numbers with more than 4-digits incl. using formal written methods (columnar addition and subtraction).	Use estimation to check answers to calculations & determine, in the context of a problem, levels of accuracy. Solve problems involving addition subtraction, multiplication and division.

		missing number problems.			
Summer Term	Solve one-step problems that involve addition and subtraction, using concrete objects & pictorial representations & missing number problems.	To recall and use addition and subtraction facts to 20 fluently and derive and use related facts up to 100	Solve problems, incl. missing number problems, number facts, place value & more complex addition and subtraction.	Estimate and use inverse operations to check answers to a calculation.	Solve addition and subtraction multi-step problems in contexts deciding which operations & methods to use & why. Add and subtract numbers mentally with increasingly large numbers. Add & subtract whole numbers with more than 4-digits incl. using formal written methods (columnar addition and subtraction). Use rounding to check answers to calculations& determine, in the context of a problem, levels of accuracy.	Solve problems involving addition subtraction, multiplication and division.