



## Maths Progression of Skills (based on White Rose and Power Maths)

	F1	F2	ELG	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Addition and subtraction: Recall, Represent, Use Number Facts	Fast recognition of up to 3 objects, without having to count them (subitising) (Autumn/Spring/Summer Term)	Subitise to 5 (Autumn/Spring/Summer Term)  Automatically recall number bonds for numbers 0–5 and some to 10 (Spring Term)  Begin to understand the operations of addition and subtraction and use associated vocabulary. Begin to understand mathematical symbols associated with addition and subtraction. (Spring/Summer Term)	Automatic recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.	Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs.  Represent and use number bonds and related subtraction facts within 20	Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.  Show that addition of two numbers can be done in any order (Commutative) and subtraction of one number from another cannot.  Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.	estimate the answer to a calculation and use inverse operations to check answers	estimate and use inverse operations to check answers to a calculation.	use rounding to check answers to calculations and determine in the context of a problem levels of accuracy	



Addition and Subtraction: Calculations	<p>Automatically recall number bonds for numbers 0 – 10 (Spring Term)</p> <p>To understand and recall doubling facts up to 10. (Spring Term)</p> <p>Understand the ‘one more than/one less than’ relationship between consecutive numbers. (Autumn Term)</p> <p>Explore the composition of numbers to 10 (Autumn/Spring Term)</p>	<p><b>Have a deep understanding of number to 10, including the composition of each number;</b></p>	add and subtract one digit and two digit numbers to 20, including zero	add and subtract numbers using concrete objects pictorial representations and mentally including: a two digit number and ones a two digit number and 10s two 2 digit numbers adding three one digit numbers	add and subtract numbers mentally including: a 3 digit number and ones a 3 digit number and 10s a three digit number and hundreds.  Add and subtract numbers with up to three digits using formal written methods of columnar addition and subtraction	add and subtract numbers with up to four digits using formal written methods of columnar addition and subtraction where appropriate.	add and subtract whole numbers with more than 4 digits including using formal written methods (columnar addition and subtraction)  Add and subtract numbers mentally with increasingly large numbers	perform mental calculations, including with mixed operations and large numbers  use their knowledge of the order of operations to carry out calculations involving the four operations.

