Week	Topic	Objectives			Vocabulary		Things to revisit
-4	Number – Place Value	Read, write, order and compare determine the value of each dig Count forwards or backwards in given number up to 1 000 000 Interpret negative numbers in control backwards with positive and new through zero. Solve number problems and protection of the above. Read Roman numerals to 1000 Roman numerals. Round any number up to 1 000 10 000 and 100 000. Use rounding to check answers the context of a problem, levels.	of 10 for any vards and bers, including nat involve all o years written i t 10, 100, 1000	hundreds, th hundred tho number, inte sequence, di than, less tha >)numeral, d f columns, rou	place holder, place value, ones, tens, hundreds, thousands, ten thousands, hundred thousands, millions, negative number, integer, powers of ten, sequence, digit, number, equal, greater than, less than, inequality signs (< >)numeral, degree of accuracy, columns, round, estimate, calculation.		
-7	Number – Addition and Subtraction	Add and subtract whole number including using formal written resubtraction) Add and subtract numbers menumbers Solve addition and subtraction deciding which operations and	rs with more than nethods (columna tally with increasi multi-step problen	r addition and ngly large	calculation, t	t, addition, subtraction, otal, column, exchange, verse, equals.	
ddition		о по		Subtraction	L		
	Concrete Year 2, Year 3 & Year	, , ,	Abstract Year 4, 5 and 6 – With decimals.		Concrete Year 2, Year 3 & Year 4	Pictorial Year 2, Year 3 & Year 4	Abstract Year 4, 5 and 6 – With decimals.
Column method_ regrouping	Add up the units and exchange 1 for one 10.  Add up the rest of the columns, exchanging the 10 counters from column for the next place of the columns, exchanging the 10 counters from column for the next place value of the columns and 10 ene equal 10.  As children move on to decimals, money and decimal place value counters can be used to support learning.	columns and place value counters to further support their learning and understanding.  7	Clearly show the exchange below the addition 536   As the children 621   Introduce on the control of the contro	Column method with regrouping	Use Base 10 to start with before movin on to place value counters. Start with one exchange televier moving onto auditinations with a cachanges. Make the larger number with the place value counters.  Start with the ones, can I take away from 4 easily? I need to exchange one of my terms for the my terms of the my ones.  Now I can subtract my ones.	Draw the counters onto a place value grid and show what you have a show the exchanges you make.  ***Barrier**  ****  ****  ****  ****  ****  ****  ***  ****	Children are to use the compact method:    \$2.83.552*148     \$2.2     \$2.2     \$2.2     \$2.2     \$2.2     \$2.2     \$2.2     \$3.2     \$3.2     \$3.2     \$3.2     \$3.2     \$3.2     \$3.2     \$3.3
	,	,			Novi can take away right tens and complete my subtraction  Show children how the concrete method links to the written method alongside your working. Cross out the numbers when exchanging and show where we written our rea		

## Year 5 Main Maths Long Term Planning

Week	Topic	Objectives	Vocabulary	Things to revisit
8	Measure – Units of measure	Convert between different units of metric measure (for exam kilometre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)	ole, convert, place holder, tenths, hundredths, thousandths, ones, tens, hundreds, thousands, convert, unit, metric, digits.	
9-12	Number – Multiplication and Division	Identify multiples and factors, including finding all factor pairs a number, and common factors of two numbers Know and use the vocabulary of prime numbers, prime factor and composite (non-prime) numbers Establish whether a number up to 100 is prime and recall prim numbers up to 19 Multiply and divide numbers mentally drawing upon known facts Recognise and use square numbers and cube numbers, and the notation for squared (²) and cubed (³) Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers Multiply and divide whole numbers and those involving decimby 10, 100 and 1000 Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign	of multiply, divide, multiples, factors product, operation, division, formal method, inverse, equal, calculation, remainder, short division, digit, column, powers of 10, decimals, tenths, hundredths, thousandths, prime numbers, composite numbers, square(d), cube(d), common.	
Multiplica	ation	Vear 5 & Year 6	Concrete Pictorial	Abstract
Standard Writ Method	itten	This moves to the more compact method.  1 3 4 2  x 18  1 3 4 2 0  1 0 7 3 6  2 4 1 5 6		Vear 5 Begin with divisions that divide equally with no remainder.  2 1 8 4 8 7 2 Move onto 4 4 8 7 2 Move onto with a remainder.  8 6 7 2 Year 6 5 4 3 2 move into decimal places to divide the total accurately.  1 4 6 19 21 3 5 5 1 1 0
13	Assessments	·		
14	Consolidation	See Things to revisit and QLA		