Longborough Church of England School

COLD ASTON C of E PRIMARY SCHOOL

An Outstanding Ofsted School 2014/2015

Swell School Church of England Primary

Year	Early Years	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
National Curriculum End of Year Expectations	1 less up to 10	I less	10 less Number bonds, subtraction: 20, 12, 13	Subtract multiples of 10 and 100	Subtract multiples of 10s , 100s, 1000s	Subtract multiples of 10s , 100s, 1000s, tenths,	Subtract multiples of 10s , 100s, 1000s, tenths, hundredths
	Using quantities and objects, they subtract two single-digit numbers	Number bonds, subtraction: 5, 6	Number bonds, subtraction: 14, 15 Subtract 1 digit from 2 digit by bridging	Subtract single digit by bridging through boundaries	Fluency of 2 digit subtract 2 digit	Fluency of 2 digit - 2 digit including with decimals	Fluency of 2 digit - 2 digit including with decimals
	count back to find the answer	Count back Number bonds, subtraction: 7, 8	Partition second number, count back in 10s then 1s	Partition second number to subtract	Partition second number to subtract Decimal subtraction from 10 or 1	Partition second number to subtract	Partition second number to subtract
		Subtract 10. Number bonds, subtraction: 9, 10	Subtract 10 and multiples of 10 Number bonds, subtraction: 16, 17	Difference between	Difference between	Difference between	Use number facts bridging and place value
		Teens subtract 10.	Subtract near multiples of 10	Subtract near multiples of 10 and 100 by rounding and adjusting	Subtract near multiples by rounding and adjusting	Adjust numbers to subtract	Adjust numbers to subtract
		Difference between	Difference between Number bonds, subtraction: 18, 19	Difference between	Difference between	Difference between	Difference between
Written Methods	Mark making	Read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs		Add and subtract numbers with up to three digits, using formal written methods of columnar addition and Subtraction 2 3 1 3 4 4 - 1 8 7 1 5 7	Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition where appropriate 1 2 3 1 2 3 4 4 - 1 8 7 2 1 5 7	Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) 1 2 3 1 5 2 3 4 4 - 1 1 8 7 5 1 1 5 7	Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why
Developing Conceptual Understanding	Number bonds (Ten frame) Difference between 7 and 10 6 less than 10 is 4 Count out, then count how many are left. 7 – 4 = 3 Count back on a number track, then number line. 15 – 6 = 9 Difference between 13 and 8 13 – 8 = 8 + _ = 13	Number bonds (Ten frame) Difference between 7 and 10 6 less than 10 is 4 Count out, then count how many are left. 7 – 4 = 3 Count back on a number track, then number line. 15 – 6 = 9 Difference between 13 and 8 13 – 8 = 8 + _ = 13	Number track / Number line – jumps of 1 then efficient jumps using number bonds 23 – 5 = 18 Using a number line, 73 – 46 = 26 Difference between 73 – 58 by counting up, 58 + _ = 73 Taking away and exchanging, 73 – 46 'Where's the 'forty and six?' Exchange to create 'sixty thirteen' 'Twenty seven' 'Now take away the forty and six'	Taking away and exchanging, 344 – 187 Place value counters 'Where's the one hundred eighty and seven? Exchange to create three hundred and thirty and fourteen. Now take away the 'seven' Exchange to create two hundred, thirteen tens and seven Now take away the 'eighty' Now take away the 'one hundred			
With jottings …..in your head	Solve one-step problems that involve subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 =? – 9	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 =? – 9	Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: * a two-digit number and ones * a two-digit number and tens * two two-digit numbers * adding three one-digit numbers	Add and subtract numbers mentally, including: * a three-digit number and ones * a three-digit number and tens * a three-digit number and hundreds	Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why	Add and subtract numbers mentally with increasingly large numbers	Perform mental calculations, including with mixed operations and large numbers
Just know it!	Represent and use number bonds and related subtraction facts within 5 and some to 10. Subtract one-digit numbers to 10, including zero	Represent and use number bonds and related subtraction facts within 20 Add and subtract one-digit and two digit numbers to 20, including zero	Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100				