

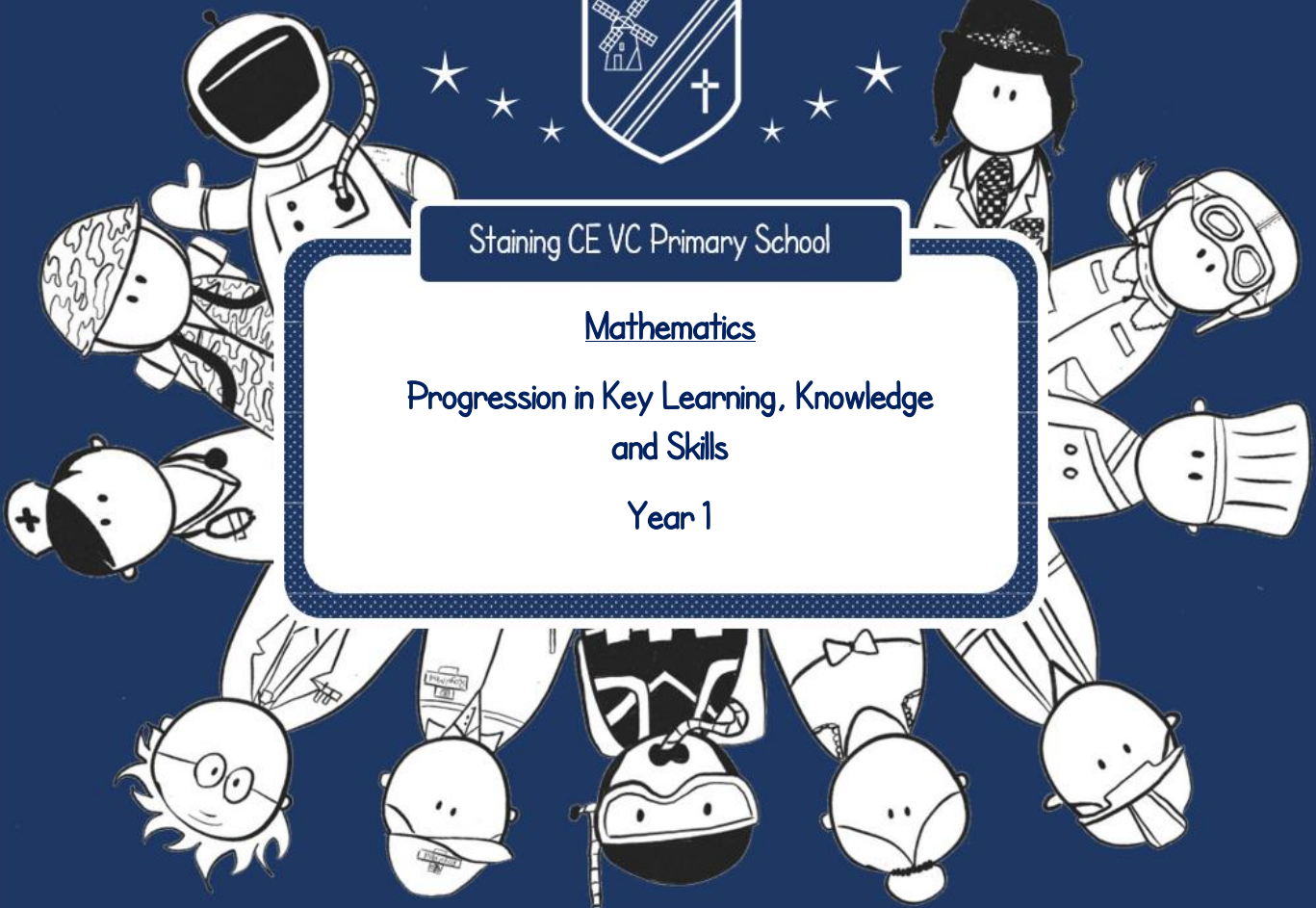


Staining CE VC Primary School

Mathematics

Progression in Key Learning, Knowledge
and Skills

Year 1



Strand	Unit of Learning	Lesson	NC 1	NC 2	NC 3
Number - number and place value	Numbers to 10	Sorting objects	Identify and represent numbers using concrete objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least		
Number - number and place value	Numbers to 10	Counting objects to 10	Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number	Identify and represent numbers using concrete objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least	
Number - number and place value	Numbers to 10	Counting and writing numbers to 10	Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number	Count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens	Read and write numbers from 1 to 20 in numerals and words
Number - number and place value	Numbers to 10	Counting backwards from 10 to 0	Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number		
Number - number and place value	Numbers to 10	Counting one more	Given a number, identify one more and one less	Identify and represent numbers using concrete objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least	Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
Number - number and place value	Numbers to 10	Counting one less	Given a number, identify one more and one less	Identify and represent numbers using concrete objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least	Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
Number - number and place value	Numbers to 10	Comparing groups	Identify and represent numbers using concrete objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least		
Number - number and place value	Numbers to 10	Comparing numbers of objects	Identify and represent numbers using concrete objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least		
Number - number and place value	Numbers to 10	Comparing numbers	Identify and represent numbers using concrete objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least		

Number - number and place value	Numbers to 10	Ordering objects and numbers	Identify and represent numbers using concrete objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least		
Number - number and place value	Numbers to 10	First, second, third...	Identify and represent numbers using concrete objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least		
Number - number and place value	Numbers to 10	The number line	Identify and represent numbers using concrete objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least		
Number - addition and subtraction	Part-whole within 10	The part-whole model (1)	Represent and use number bonds and related subtraction facts within 20		
Number - addition and subtraction	Part-whole within 10	The part-whole model (2)	Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs	Represent and use number bonds and related subtraction facts within 20	

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Number - addition and subtraction	Related facts - number bonds	Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs	Represent and use number bonds and related subtraction facts within 20		
Number - addition and subtraction	Finding number bonds	Represent and use number bonds and related subtraction facts within 20			
Number - addition and subtraction	Comparing number bonds	Represent and use number bonds and related subtraction facts within 20			
Number - addition and subtraction	Finding the whole - adding together	Represent and use number bonds and related subtraction facts within 20			
Number - addition and subtraction	Finding the whole - adding more	Represent and use number bonds and related subtraction facts within 20			
Number - addition and subtraction	Finding a part	Represent and use number bonds and related subtraction facts within 20			
Number - addition and subtraction	Finding and making number bonds	Represent and use number bonds and related subtraction facts within 20			
Number - addition and subtraction	Finding addition facts	Represent and use number bonds and related subtraction facts within 20	Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs		
Number - addition and subtraction	Solving word problems - addition	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = _ - 9$.	Represent and use number bonds and related subtraction facts within 20		

Number - addition and subtraction	Subtraction - how many are left? (1)	Represent and use number bonds and related subtraction facts within 20	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = _ - 9$.	
Number - addition and subtraction	Subtraction - how many are left? (2)	Represent and use number bonds and related subtraction facts within 20	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = _ - 9$.	
Number - addition and subtraction	Subtraction - breaking apart (1)	Represent and use number bonds and related subtraction facts within 20		
Number - addition and subtraction	Subtraction - breaking apart (2)	Represent and use number bonds and related subtraction facts within 20		
Number - addition and subtraction	Related facts - addition and subtraction (1)	Represent and use number bonds and related subtraction facts within 20		
Number - addition and subtraction	Related facts - addition and subtraction (2)	Represent and use number bonds and related subtraction facts within 20		
Number - addition and subtraction	Subtraction - counting back	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = _ - 9$.	Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs	Add and subtract one-digit and two-digit numbers to 20, including zero
Number - addition and subtraction	Subtraction - finding the difference	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = _ - 9$.	Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs	Add and subtract one-digit and two-digit numbers to 20, including zero
Number - addition and subtraction	Solving word problems - subtraction	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = _ - 9$.	Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs	Add and subtract one-digit and two-digit numbers to 20, including zero
Number - addition and subtraction	Comparing additions and subtractions (1)	Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs	One-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = _ - 9$.	

Number - addition and subtraction	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = _ - 9$.	
Number - addition and subtraction	Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs	Add and subtract one-digit and two-digit numbers to 20, including zero

Geometry - properties of shape		
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Geometry - properties of shape	Recognise and create repeating patterns with objects and with shapes.	
Number number and place value	- Identify and represent numbers using concrete objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least	
Number number and place value	- Recognise the place value of each digit in a two-digit number (tens, ones) (year 2)	
Number number and place value	- Recognise the place value of each digit in a two-digit number (tens, ones) (year 2)	
Number number and place value	- Given a number, identify one more and one less	
Number number and place value		
Number number and place value	- Compare and order numbers from 0 up to 100; use $<$, $>$ and = signs (year 2)	
Number number and place value	- Compare and order numbers from 0 up to 100; use $<$, $>$ and = signs (year 2)	

Number addition and subtraction	- Add by counting on	Add and subtract 1-digit and 2-digit numbers to 20, including zero		
Number addition and subtraction	- Adding ones	Represent and use number bonds and related subtraction facts within 20	Add and subtract 1-digit and 2- digit numbers to 20, including zero	

Number - addition and subtraction	Finding number bonds	Represent and use number bonds and related subtraction facts within 20	Add and subtract 1-digit and 2-digit numbers to 20, including zero	
Number - addition and subtraction	Add by making 10 (1)	Represent and use number bonds and related subtraction facts within 20	Add and subtract 1-digit and 2-digit numbers to 20, including zero	
Number - addition and subtraction	Add by making 10 (2)	Represent and use number bonds and related subtraction facts within 20	Add and subtract 1-digit and 2-digit numbers to 20, including zero	
Number - addition and subtraction	Solving word problems - addition	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$		
Number - addition and subtraction	Subtracting ones	Represent and use number bonds and related subtraction facts within 20	Add and subtract 1-digit and 2-digit numbers to 20, including zero	
Number - addition and subtraction	Subtracting tens and ones	Represent and use number bonds and related subtraction facts within 20	Add and subtract 1-digit and 2-digit numbers to 20, including zero	
Number - addition and subtraction	Subtraction - crossing the 10 (1)	Add and subtract 1-digit and 2-digit numbers to 20, including zero	Represent and use number bonds and related subtraction facts within 20	
Number - addition and subtraction	Subtraction - crossing the 10 (2)	Add and subtract 1-digit and 2-digit numbers to 20, including zero	Represent and use number bonds and related subtraction facts within 20	
Number - addition and subtraction	Solving word and picture problems - subtraction	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$		
Number - addition and subtraction	Addition and subtraction facts to 20	Represent and use number bonds and related subtraction facts within 20		
Number - addition and subtraction	Comparing additions and subtractions	Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$	
Number - addition and subtraction	Solving word and picture problems - addition and subtraction	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$		
Number - number and place value	Counting to 50 (1)	Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number		
Number - number and place value	Counting to 50 (2)	Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number		
Number - number and place value	Tens and ones	Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least	(Year 2) recognise the place value of each digit in a 2-digit number (tens, ones)	

Number - number and place value	Representing numbers to 50	Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least		
Number - number and place value	Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least	(Year 2) compare and order numbers from 0 up to 100; use <, > and = signs		
Number - number and place value				
Number - number and place value	(Year 2) compare and order numbers from 0 up to 100; use <, > and = signs			
Number - number and place value				
Number - number and place value				
Number - addition and subtraction				
Number - addition and subtraction				
Measurement				
Measurement				
Measurement				
Measurement				
Measurement	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$			
Measurement				

Measurement		
Measurement		

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Measurement	Introducing weight and volume	Comparing capacity	Compare, describe and solve practical problems for: capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]		
Measurement	Introducing weight and volume	Measuring capacity	Measure and begin to record the following: capacity and volume	Compare, describe and solve practical problems for: capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]	
Measurement	Introducing weight and volume	Comparing capacity using measuring	Compare, describe and solve practical problems for: capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]	Measure and begin to record the following: capacity and volume	
Measurement	Introducing weight and volume	Solving word problems - weight and capacity	Compare, describe and solve practical problems for: capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$	

Counting in 10s, 5s and 2s	Count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s		
Making equal groups	Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher		
Adding equal groups	Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher		
Making simple arrays	Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher		
Making doubles	Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher	Non-statutory guidance: Through grouping and sharing small quantities, pupils begin to understand: multiplication and division; doubling numbers and quantities; and finding simple fractions of objects, numbers and quantities	
Solving word problems - multiplication	Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher		
Making equal groups (1)	Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher		
Making equal groups (2)	Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher		
Sharing equally (1)	Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher		
Sharing equally (2)	Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher		

Number - multiplication and division		
Number - fractions		
Number - fractions		
Number - fractions		
Number - fractions		
Number - fractions	Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.	
Geometry - position and direction		
Geometry - position and direction	Non-statutory guidance: Pupils use the language of position, direction and motion, including: left and right, top, middle and bottom, on top of, in front of, above, between, around, near, close and far, up and down, forwards and backwards, inside and outside.	
Geometry - position and direction	Non-statutory guidance: Pupils use the language of position, direction and motion, including: left and right, top, middle and bottom, on top of, in front of, above, between, around, near, close and far, up and down, forwards and backwards, inside and outside.	
Number - number and place value	Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least	Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
Number - number and place value	Given a number, identify one more and one less	
Number - number and place value	(Year 2) Recognise the place value of each digit in a 2-digit number (tens, ones)	
Number - number and place value	(Year 2) Recognise the place value of each digit in a 2-digit number (tens, ones)	

Number - number and place value	Numbers to 100	Comparing numbers (1)	Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least		
Number - number and place value	Numbers to 100	Comparing numbers (2)	Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least		
Number - number and place value	Numbers to 100	Ordering numbers	Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least		
Number - addition and subtraction	Numbers to 100	Bonds to 100 (1)	Represent and use number bonds and related subtraction facts within 20	(Year 2) Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100	
Number - addition and subtraction	Numbers to 100	Bonds to 100 (2)	Represent and use number bonds and related subtraction facts within 20	(Year 2) Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100	
Measurement	Time	Using before and after	Sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]		
Measurement	Time	Using a calendar	Recognise and use language relating to dates, including days of the week, weeks, months and years		
Measurement	Time	Telling time to the hour	Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.		
Measurement	Time	Telling time to the half hour	Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.		
Measurement	Time	Writing time	Measure and begin to record the following: time (hours, minutes, seconds)		
Measurement	Time	Comparing time	Compare, describe and solve practical problems for time [for example, quicker, slower, earlier, later]		
Number - addition and subtraction	Time	Solving word problems - time	Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and	Compare, describe and solve practical problems for time [for example, quicker, slower, earlier, later]	

			missing number problems such as $7 = ? - 9$		
Measurement	Money	Recognising coins	Recognise and know the value of different denominations of coins and notes		
Measurement	Money	Recognising notes	Recognise and know the value of different denominations of coins and notes		
Measurement	Money	Counting with coins	Recognise and know the value of different denominations of coins and notes	Count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s	