

Numeracy Medium Term Planning with differentiation

Year 2: Class 9

Autumn Term 2017 1

Activities and groups adapted as necessary following ongoing formative assessment. Length of time of each block and the targets to achieve may change depending on the understanding and performance of the children.

Week	Unit	Starters	Super Stars Achieved : Exp1 Target: Exc1	Amazing Squares Achieved : Emg1 Target: Exp1	Magic Circle Achieved : ELG Target: Emg1	Terrific Triangles Achieved : 40-60+ Target: ELG
Week 1 4 th - 8 th September Settling in Week	Number : Place Value	Count to 10 Flashcard numbers and words for numbers to 10	Count objects to 100 Count to 100 forwards from 0. Count to 100 backwards to 0. Count to 100 forwards from any given number. Count backwards from any given number under 100. Count across 100 forwards from 0. Count across 100 backwards to 0. Read numbers in numerals to 100 and words to 20/100 Write numbers in numerals to 100 and words to 20/100 Represent numbers to 100 Given a number, identify 1 more or less to 100. Secure with language 'equal to', 'more than' and 'less than' in different contexts. Secure with language 'most' and 'least' in different contexts.	Count objects to 100 Count across 20 to 50 / to 100 forwards from 0. Count across 20-50/ to 100 backwards to 0. Count across 20 -50 / to 100 forwards from any given number. Count backwards from any given number under 50 / 100. Count across 100 forwards from 0. Count across 100 backwards to 0. Read numbers in numerals to 50/100 and words to 10/20 Write numbers in numerals to 50/100 and words to 10/20 Represent numbers to 100 Given a number, identify 1 more or less beyond 10 / to 100. Secure with language 'equal to', 'more than' and 'less than' in different contexts. Secure with language 'most' and 'least' in different contexts.	Count objects to 100 Count across 10 to 20 forwards from 0. Count across 10 to 20 backwards from 0. Count across 10 to 20 from any given number. Count backwards from any given number under 10. Count backwards from any given number under 20. Read numbers to 20 in numerals. Write numbers to 20 in numerals. Read numbers from 1 to 10 in words. Write numbers from 1 to 10 in words. Represent numbers to 100 Given a number, identify 1 more or 1 less, to 10. Understand the language 'equal to', 'more than', 'less than'. Begin to use the language 'most' and 'least'.	Count objects to 100 Count reliably with numbers from 1 to 20 Count across 10 to 20 forwards from 0. Count across 10 to 20 backwards from 0. Count across 10 to 20 from any given number. Count backwards from any given number under 10. Count backwards from any given number under 20. Read numbers to 20 in numerals. Write numbers to 20 in numerals. Read numbers from 1 to 10 in words. Write numbers from 1 to 10 in words. Read and write numbers in numerals and words Represent number to 100 Place numbers to 20 in order and say which is one more and one less than a given numbers
Week 2 11 th - 15 th September TfW Fiction	Number : Place Value	Count to 20 Flashcard numbers and words for numbers to 20	Tens and Ones with a part whole model Recognise teen numbers as a ten + ones, e.g. 17 = 10 +7. Partition numbers into 10s and 1s using concrete objects and write number sentences for partitioning. Partition two digit numbers. Partition numbers in different ways Use a place value chart	Tens and Ones with a part whole model Recognise teen numbers as a ten + ones, e.g. 17 = 10 +7. Partition numbers into 10s and 1s using concrete objects and write number sentences for partitioning. Partition two digit numbers. Partition numbers in different ways Use a place value chart Compare objects	Tens and Ones with a part whole model Recognise teen numbers as a ten + ones, e.g. 17 = 10 +7. Partition numbers into 10s and 1s using concrete objects and write number sentences for partitioning Use a place value chart Compare objects Given a number, identify 1 more or 1 less, to 10. Understand the language 'equal to',	Place numbers to 20 in order and say which number is one more or one less than a given number. Count reliable to 20, making sure we order teen numbers correctly. Count objects and match numerals to 20 Say which number is one more or one less than a given number. Count to and back to 20 Read numbers to 20 Write numbers to 20

			<p>Compare objects Secure with language 'equal to', 'more than' and 'less than' in different contexts. Secure with language 'most' and 'least' in different contexts. Counting to 100</p>	<p>Given a number, identify 1 more or 1 less to beyond 10. Use language 'equal to', 'more than' and 'less than'. Use the language 'most' and 'least'. Counting to 50</p>	<p>'more than', 'less than'. Begin to use the language 'most' and 'least'. Counting to 20</p>	
<p>Week 3 18th - 22nd September TfW Fiction</p>	<p>Number : Place Value</p>	<p>Count to 50 Flashcard numbers and words for numbers to 50</p>	<p>Compare numbers Compare numbers from 0 to 100 using mathematical language. Begin to use <, > and = when comparing and ordering numbers Given a number, identify 1 more or less to 100. Secure with language 'equal to', 'more than' and 'less than' in different contexts. Secure with language 'most' and 'least' in different contexts. Order Objects and numbers to 100 Identify and represent numbers using different representations including number lines Estimate number using different representations including number lines.</p>	<p>Compare numbers Compare numbers from 0 to 50 using mathematical language. Given a number, identify 1 more or less to 50. Secure with language 'equal to', 'more than' and 'less than' in different contexts. Secure with language 'most' and 'least' in different contexts. Order Objects and numbers to 50</p>	<p>Compare numbers Compare numbers from 0 to 20 using mathematical language. Given a number, identify 1 more or less to 20. Secure with language 'equal to', 'more than' and 'less than' in different contexts. Secure with language 'most' and 'least' in different contexts. Order Objects and numbers to 20</p>	<p>Compare numbers Compare numbers from 0 to 20 using mathematical language. Given a number, identify 1 more or less to 20. Secure with language 'equal to', 'more than' and 'less than' in different contexts. Secure with language 'most' and 'least' in different contexts. Order Objects and numbers to 20 Place numbers to 20 in order and say which number is one more or one less than a given number.</p>
<p>Week 4 25th - 29th September TfW Fiction</p>	<p>Number : Place Value</p>	<p>Count to 100 Flashcard numbers and words for numbers to 100</p>	<p>Count in 2s, 5s and 10s Count in steps of 2 forwards from 0 Count in steps of 5 forwards from 0 Count in steps of 10 forwards from 0 Count in steps of 2 backwards from 20 Count in steps of 10 backwards from 100 Count in steps of 5 backwards from 50 Count in steps 10 forwards from any number Count in 3s Count in steps of 3 forwards from 0</p>	<p>Count in 2s, 5s and 10s Count in multiples of 5 and 10. Begin to use concrete objects to count in multiples of 2, 5, and 10. Count in multiples of 2, 5 and 10 independently. Count in steps of 2 forwards from 0 Count in steps of 5 forwards from 0 Count in steps of 10 forwards from 0 Count in steps of 2 backwards from 20 Count in steps of 10 backwards from 100</p>	<p>Count in 2s, 5s and 10s Count in multiples of 5 and 10. Begin to use concrete objects to count in multiples of 2, 5, and 10. Count in multiples of 2, 5 and 10 independently. Count in steps of 2 forwards from 0 Count in steps of 5 forwards from 0 Count in steps of 10 forwards from 0 Count in steps of 2 backwards from 20 Count in steps of 10 backwards from 100</p>	<p>Count in 2s, 5s and 10s Count in multiples of 5 and 10. Begin to use concrete objects to count in multiples of 2, 5, and 10. Count in multiples of 2, 5 and 10 independently. Count in steps of 2 forwards from 0 Count in steps of 5 forwards from 0 Count in steps of 10 forwards from 0 Count in steps of 2 backwards from 20 Count in steps of 10 backwards from 100</p>
<p>Week 5 2nd - 6th October TfW Non</p>	<p>Number : Addition and Subtraction</p>	<p>Count in 2s, 5s and 10s forwards and backwards</p>	<p>Addition and subtraction facts to 20 Use number bonds to 20. Use related subtraction facts within 20.</p>	<p>Addition and subtraction facts to 20 Represent number bonds to 20. Begin to use number bonds to 20. Begin to use related subtraction</p>	<p>Addition and subtraction facts to 20 Represent number bonds to 10. Begin to use numbers bonds to 10. Begin to use related subtraction</p>	<p>Addition and subtraction facts to 20 Using quantities and objects, add and subtract two single digit numbers and count on or back to</p>

Fiction			<p>Recall and use addition facts to 20 fluently Recall and use subtraction facts to 20 fluently Check Calculations Begin to understand that addition of two numbers is commutative Begin to understand that subtraction of one number from another is not commutative. Use estimation to check answers to a calculation are reasonable Use inverse to check calculations and solve missing complex missing number problems. Compare number sentences.</p>	<p>facts within 20. Use number bonds to 20. Use related subtraction facts within 20. Recall and use addition facts to 20 fluently Recall and use subtraction facts to 20 fluently Check Calculations Begin to understand that addition of two numbers is commutative Begin to understand that subtraction of one number from another is not commutative. Use estimation to check answers to a calculation are reasonable Use inverse to check calculations and solve missing complex missing number problems. Compare number sentences.</p>	<p>facts within 10. Check Calculations Begin to understand that addition of two numbers is commutative Begin to understand that subtraction of one number from another is not commutative. Compare number sentences.</p>	<p>find the answers. Represent number bonds to 10. Begin to use numbers bonds to 10. Begin to use related subtraction facts within 10. Check Calculations Compare number sentences.</p>
<p>Week 6 9th - 13th October (13th = RE Day) TfW Non Fiction</p>	<p>Number : Addition and Subtraction</p>	<p>Flashcard Additions and subtraction facts to 20</p>	<p>Check Calculations Begin to understand that addition of two numbers is commutative Begin to understand that subtraction of one number from another is not commutative. Use estimation to check answers to a calculation are reasonable Use inverse to check calculations and solve missing complex missing number problems. Compare number sentences. Related facts Make all related number facts Bonds to 100 (tens) Begin to derive and use related facts up to 100</p>	<p>Check Calculations Begin to understand that addition of two numbers is commutative Begin to understand that subtraction of one number from another is not commutative. Use estimation to check answers to a calculation are reasonable Use inverse to check calculations and solve missing complex missing number problems. Compare number sentences. Related facts Make all related number facts Bonds to 100 (tens) Begin to derive and use related facts up to 100</p>	<p>Addition and subtraction facts to 20 Represent number bonds to 20. Begin to use number bonds to 20. Begin to use related subtraction facts within 20. Use number bonds to 20. Use related subtraction facts within 20. Recall and use addition facts to 20 fluently Recall and use subtraction facts to 20 fluently Check Calculations Begin to understand that addition of two numbers is commutative Begin to understand that subtraction of one number from another is not commutative. Compare number sentences.</p>	<p>Addition and subtraction facts to 20 Using quantities and objects, add and subtract two single digit numbers and count on or back to find the answers. Represent number bonds to 10/20. Begin to use numbers bonds to 10/20. Begin to use related subtraction facts within 10/20.</p>
<p>Week 7 16th - 20th October (20th = Parents Day) Assessment Week</p>	<p>Number : Addition and Subtraction</p>	<p>Flashcard Additions and subtraction facts to 20</p>	<p>Add and subtract 1s Add 2 single digit numbers mentally. Add a single digit number to a 2-digit number mentally. Subtract 2 single digit numbers mentally. Subtract a single digit number from a 2-digit number mentally. Add a 2-digit number and 1s</p>	<p>Add and subtract 1s Add 2 single digit numbers pictorially / mentally. Add a single digit number to a 2-digit number pictorially / mentally. Subtract 2 single digit numbers pictorially / mentally. Subtract a single digit number from a 2-digit number pictorially / mentally.</p>	<p>Add and subtract 1s Add 2 single digit numbers with concrete methods / pictorially. Add a single digit number to a 2-digit number with concrete methods / pictorially. Subtract 2 single digit numbers with concrete methods / pictorially. Subtract a single digit number</p>	<p>Add and subtract 1s Add 2 single digit numbers with concrete methods. Add a single digit number to a 2-digit number with concrete methods Subtract 2 single digit numbers with concrete methods Subtract a single digit number from a 2-digit number with concrete methods</p>

			<p>using concrete methods/pictorially</p> <p>Subtract a digit number from a 2 digit number using concrete methods/pictorially</p> <p>Subtract three 1 digit numbers using concrete methods / pictorially.</p> <p>10 more and 10 less</p> <p>Add and subtract 10s</p> <p>Add a 2-digit number and 10s using concrete methods / pictorially</p> <p>Add three 1-digit numbers using concrete methods/pictorially.</p> <p>Subtract 10s from a 2-digit number using concrete methods / pictorially.</p>	<p>Add a 2-digit number and 1s using concrete methods/pictorially</p> <p>Subtract a digit number from a 2 digit number using concrete methods/pictorially</p> <p>Subtract three 1 digit numbers using concrete methods / pictorially.</p> <p>10 more and 10 less</p> <p>Add and subtract 10s</p> <p>Add a 2-digit number and 10s using concrete methods / pictorially</p> <p>Add three 1-digit numbers using concrete methods/pictorially.</p> <p>Subtract 10s from a 2-digit number using concrete methods / pictorially.</p>	<p>from a 2-digit number with concrete methods / pictorially</p> <p>Add a 2-digit number and 1s using concrete methods/pictorially</p> <p>Subtract a digit number from a 2 digit number using concrete methods/pictorially</p> <p>Subtract three 1 digit numbers using concrete methods / pictorially.</p> <p>10 more and 10 less</p> <p>Add and subtract 10s</p> <p>Add a 2-digit number and 10s using concrete methods / pictorially</p> <p>Add three 1-digit numbers using concrete methods/pictorially.</p> <p>Subtract 10s from a 2-digit number using concrete methods / pictorially.</p>	<p>Add a 2-digit number and 1s using concrete methods</p> <p>Subtract a digit number from a 2 digit number using concrete methods</p> <p>Subtract three 1 digit numbers using concrete methods</p> <p>10 more and 10 less</p> <p>Add and subtract 10s</p> <p>Add a 2-digit number and 10s using concrete methods</p> <p>Add three 1-digit numbers using concrete methods</p> <p>Subtract 10s from a 2-digit number using concrete methods.</p>
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