

Year 2

Termly Plans Academic Year 2021 - 2022

Teach Up

Mathematics
Lessons

Manageable
Steps

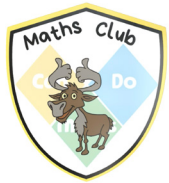
Intelligent Practice

Maths on Track
Meetings

Weekly
Suggestions

Deliberate Practice

Keep Up



Introduction

This termly plan has been carefully designed to support you to plan for successful learning of the year's maths from the National Curriculum.

The green sections provide the maths curriculum broken down into manageable steps

Manageable to teach and manageable to learn.

The blue lessons of 'Remember This' and 'Extra Problem Solving' provide flexibility within the timing of the plan for you to make decisions for your own class.

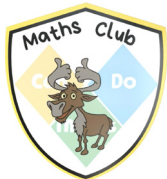
Remember It at the end of each term is a session to check the learning that has taken place during the term using the CanDoMaths Remember It for that term.

The second section on each termly plan, in blue, sets out a suggested structure for the second maths session each day - an essential element in the CanDoMaths curriculum plan.

The content on Monday and Tuesday is based on the Magic 24 from the ArithmeKit which is a separate resource that can be used to support your planning. The Magic 24 are key elements of arithmetic to secure during the year.

In your Wednesday and Thursday maths meetings it is suggested that you use deliberate practice to secure sustainable progress - based on past and present learning. You may want to use CanDoMaths Deliberate Practice and Retrieve It resources to support your planning for these sessions.

The bright pink fact column suggests a number fact to prioritise throughout the week and Friday is suggested as an opportunity to really hit a number fact hard. CanDoBonds, CanDoTables and CanDo21 are additional resources that would support your planning of these sessions.



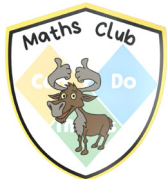
Year 2 Term 1

Term 1 W/c	KPI	D/E/R/T	Maths Lessons: Intelligent Practice Lesson by Lesson Plan		Fact Check
02/09/2021	KPI 1	2NPV-1	Number and Place Value	TDD	Deliberate Practice: Past and Present
				Represent 2-digit numbers	
06/09/2021	KPI 1	2NPV-1	Number and Place Value	Recognise the value of digits in 2-digit numbers	ArithmeCheck 1
				Partition 2-digit numbers in different ways	
				Read 2-digit numbers in words and write using numerals	
				Read 2-digit numbers in numerals and write in words	
				Identify 2-digit numbers on a number line	
13/09/2021	KPI 2	1NPF-V-Z, 2NPV-2	Number and Place Value	Represent 2-digit numbers on a number line	1.9 Know 1 more than numbers
				Estimate numbers on a number line	
				Compare any two 2-digit numbers using < > and =	
				Order 2-digit numbers with different tens from smallest to greatest	
				Order 2-digit numbers with the same tens from smallest to greatest	
20/09/2021	KPI 4	(2AS-3)	Geometry: Properties of shapes	Order 2-digit numbers	1.16 Add 10 to a number
				Find 10 more than a given number	
				Find 10 less than a given number	
				Identify and describe the properties of pentagons	
				Identify and describe the properties of hexagons	
27/09/2021	KPI 6	2G-1	Geometry: Properties of shapes	Identify and describe the properties of octagons	1.24 Subtract 10 from a number
				Identify symmetry properties of 2-D shapes using vertical lines	
				Identify and describe the properties of 3-D shapes including the number of vertices	
				Identify and describe the properties of 3-D shapes including the number of edges	
				Identify and describe the properties of 3-D shapes including the number of faces	
04/10/2021	KPI 3, 5, 7	2NF-1, AS-3, 4, 3AS-3	Addition and Subtraction: Addition	Show that addition is commutative	1.15 Use number facts to calculate others
				Recall and use addition facts of two single digits bridging 10	
				Recall and use addition facts of single digit doubles	
				Use addition facts of 10 to derive facts of 100	
				Add ones to 2-digit numbers using number facts where the tens don't change	
11/10/2021	KPI 3, 5, 7	2NF-1, AS-3, 4, 3AS-3	Addition and Subtraction: Addition	Add ones to 2-digit numbers using bridging	1.23 Subtract a single digit number from a teens number
				Add ones to 2-digit numbers by rounding to ten then compensating	
				Add multiples of ten to 2-digit numbers using number facts	
				Add two 2-digit numbers by counting on in tens then 1s	
				Add two 2-digit numbers using partitioning and recombining (No regrouping)	
18/10/2021	KPI 3, 5, 7	2NF-1, AS-3, 4, 3AS-3	Addition and Subtraction: Addition	Add two 2-digit numbers using partitioning and recombining	1.15 Use number facts to calculate others
				Add two 2-digit numbers by rounding to the nearest ten then compensating	
				Add two 2-digit numbers choosing an efficient strategy	
				Add three single digit numbers	
				End of Term Assessment: Remember It 1	
Half Term					



Year 2 Term 2

Term 2. W/c		KPI	DfE RTP	Maths Lessons: Intelligent Practice Lesson by Lesson Plan		Fact Check			
01/11/2021	M	KPI 8, 9	2NE-1 2AS-2 3AS-3	Addition and Subtraction: Subtraction	Remember This?	Maths on Track: Deliberate Practice Suggested focus based on the ArithmeKit Magic 24			
	T				Understand why subtraction is not commutative				
	W				Recall subtraction facts of two single digits within 10				
	T				Recall subtraction facts of 2-digit numbers (20 or less) subtract a single digit not bridging 10				
08/11/2021	F							Recall subtraction facts of 2-digit numbers (20 or less) subtract a single digit bridging 10	Bonds of 10 2.5 Add multiples of 10 to a 2-digit number 2.3 Partition a 2-digit number in different ways Deliberate Practice: Past and Present Deliberate Practice: Past and Present CanDoBonds 10 +
	M						Addition and Subtraction: Subtraction	Use subtraction facts of 10 to subtract multiples of ten from 100	
	T							Subtract ones from 2-digit numbers using number facts where the tens don't change	
	W							Subtract ones from 2-digit numbers using bridging	
T					Subtract ones from 2-digit numbers by rounding to ten then compensating				
15/11/2021	F							Subtract multiples of ten from 2-digit numbers using number facts	Bonds of 10 2.5 Add multiples of 10 to a 2-digit number 2.3 Partition a 2-digit number in different ways Deliberate Practice: Past and Present Deliberate Practice: Past and Present CanDoBonds 10 +/-
	M						Addition and Subtraction: Subtraction	Subtract two 2-digit numbers by counting back in tens then 1 s	
	T							Subtract two 2-digit numbers by rounding to the nearest ten then compensating	
	W			Subtract by finding the difference between two numbers - counting on					
T			Derive addition and subtraction facts using inverse operations						
22/11/2021	F				Extra Problem Solving	Bonds of 10 2.5 Add multiples of 10 to a 2-digit number 2.3 Partition a 2-digit number in different ways Deliberate Practice: Past and Present Deliberate Practice: Past and Present CanDoBonds 10 +/-			
	M			Geometry: Properties of Shapes	Identify and describe the properties of cylinders				
	T				Identify and describe the properties of cones				
	W				Identify and describe 2-D shapes on the surface of 3-D shapes				
T			Compare and sort 3-D shapes and explain how they are similar or different						
29/11/2021	F				Compare and sort 2-D shapes and explain how they are similar or different	Bonds of 20 2.6 Add a single digit number to a 2-digit number using known facts 2.12 Subtract single digit number from a 2-digit number using known facts Deliberate Practice: Past and Present Deliberate Practice: Past and Present CanDoBonds 20 +			
	M	KPI 10, 11, 12	2MD-1, 2 4MD-2	Multiplication and Division	Count in steps of 3 from zero				
	T				Show and use the connection between multiplication and repeated addition				
	W				Create multiplication statements to describe and solve equal grouping problems				
T	Use arrays to solve multiplication problems								
06/12/2021	F						Show and use the commutativity of multiplication	Bonds of 20 2.6 Add a single digit number to a 2-digit number using known facts 2.12 Subtract single digit number from a 2-digit number using known facts Deliberate Practice: Past and Present Deliberate Practice: Past and Present CanDoBonds 20 +/-	
	M					Multiplication and Division	Create division statements to describe and solve grouping problems		
	T						Create division statements to describe sharing and solve problems		
	W						Show that division is not commutative		
T					Extra Problem Solving				
13/12/2021	F						Use mathematical language to describe position	Bonds of 15 2.6 Add a single digit number to a 2-digit number using known facts 2.12 Subtract single digit number from a 2-digit number using known facts Deliberate Practice: Past and Present Deliberate Practice: Past and Present CanDoBonds 15 +	
	M			KPI 13		Geometry: Position and direction	Use mathematical language to describe direction of a turn, including meaning of clockwise and anti-clockwise		
	T						Understand and use the language of right angles to describe the size of turn		
	W	Interpret and devise instructions for following a simple route							
T	Order combinations of mathematical objects in patterns and sequences								
F					End of Term Assessment: Remember It 2	Bonds of 15 2.11 Subtract multiples of 10 from a 2-digit number 2.11 Subtract multiples of 10 from a 2-digit number Deliberate Practice: Past and Present Deliberate Practice: Past and Present CanDoBonds 15 +/-			
Christmas break									



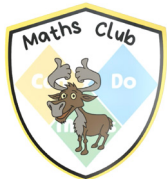
Year 2 Term 3

Term 3. W/c		KPI	DfE RTP	Maths Lessons: Intelligent Practice Lesson by Lesson Plan		Fact Check	Maths on Track: Deliberate Practice Suggested focus based on the ArithmeKit Magic 24						
04/01/2021	M	KPI 14, 15, 24	2MD-1, 2 3NF-2	Multiplication and Division: Multiplication Tables	TDD	2 x table facts	2.11 Subtract multiples of 10 from a 2-digit number						
	T				Build the 2x table and count in steps of 2 from zero		Deliberate Practice: Past and Present						
	W				Recall and use multiplication facts for the 2 times table		Deliberate Practice: Past and Present						
	F				Recall and use division facts for the 2 times table		CanDo Tables 2x4						
10/01/2021	M			KPI 14, 15, 24	2MD-1, 2 3NF-2		Multiplication and Division: Multiplication Tables	Recognise and use odd and even numbers	2 x table facts	2.7 Use rounding to add near multiples of ten			
	T							Build the 10x table and count in steps of 10 from zero		2.15 Use rounding to subtract near multiples of ten			
	W							Recall and use multiplication facts for the 10 times table		Deliberate Practice: Past and Present			
	T							Recall and use division facts for the 10 times table		Deliberate Practice: Past and Present			
17/01/2021	F						KPI 14, 15, 24	2MD-1, 2 3NF-2		Multiplication and Division: Multiplication Tables	Build the 5x table and count in steps of 5 from zero	2 x table facts	CanDo Tables 2x6
	M										Recall and use multiplication facts for the 5 times table		2.7 Use rounding to add near multiples of ten
	T										Recall and use division facts for the 5 times table		2.15 Use rounding to subtract near multiples of ten
	W										Use factor, factor, product relationship to derive multiplication and division statements		Deliberate Practice: Past and Present
24/01/2021	F	KPI 16	(3NPV-4)			Measurement: Length and Mass				Extra Problem Solving	2 x table facts		Deliberate Practice: Past and Present
	M									Remember This?			CanDo Tables 2x8
	T									Read scales in divisions of ones and twos.			2.7 Use rounding to add near multiples of ten
	W									Read scales in divisions of fives and tens			2.15 Use rounding to subtract near multiples of ten
31/01/2021	T			KPI 17	(3NPV-4)	Measurement: Length and Mass			Measure the mass of objects (kg)	2 x table facts			Deliberate Practice: Past and Present
	F								Measure the mass of objects (g)				Deliberate Practice: Past and Present
	M								Estimate the mass of objects				CanDo Tables 2x7
	T								Compare the mass of objects using >, < and =				2.2 Compare and order numbers to 100
07/02/2021	W					KPI 17	(3NPV-4)	Measurement: Length and Mass	Order the mass of objects			2 x table facts	2.20 Recognise odd and even numbers
	T								Measure lengths (m)				Deliberate Practice: Past and Present
	F								Measure lengths (cm)				Deliberate Practice: Past and Present
	M								Estimate lengths				CanDo Tables 2x9
14/02/2021	T	KPI 17	(3NPV-4)					Measurement: Length and Mass	Compare lengths using >, < and =		2 x table facts		2.2 Compare and order numbers to 100
	W								Order lengths				2.20 Recognise odd and even numbers
	F								Measure heights (cm)				Deliberate Practice: Past and Present
	M								Estimate heights				Deliberate Practice: Past and Present
14/02/2021	T			KPI 17	(3NPV-4)			Measurement: Length and Mass	Compare heights using >, < and =	2 x table facts			CanDo Tables 2x12
	W								Extra Problem Solving				2.2 Compare and order numbers to 100
	T								Extra Problem Solving				2.20 Recognise odd and even numbers
	F								Extra Problem Solving				Deliberate Practice: Past and Present
						End of Term Assessment: Remember It 3		Deliberate Practice: Past and Present					
								CanDo Tables 2x12					
Half Term													



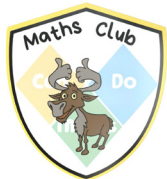
Year 2 Term 4

Term 4. W/c	KPI	D/E RTP	Maths Lessons: Intelligent Practice Lesson by Lesson Plan		Maths on Track: Deliberate Practice Suggested focus based on the ArithmeKit Magic 24		
28/02/2022	M	KPI 18 3F-1	Fractions	Recognise one third as one of three equal parts of a shape and use fraction notation	2.14 Partition the second number to subtract tens then ones 2.19 Double Numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present CanDo Tables 6 x 10		
	T			Find 1/3 of objects			
	W			Find 1/3 of an amount			
	T			Recognise two quarters as two of four equal parts, or two of one quarter of a shape and use fraction notation			
07/03/2022	M	KPI 19 3F-1	Fractions	Find 2/4 of objects			
	T			Find 2/4 of an amount			
	W			Recognise that a half is equivalent to two quarters			
	T			Recognise three quarters as three of four equal parts, or three of one quarter of a shape and use fraction notation			
14/03/2022	M	KPI 20	Measurement: Time	Find 3/4 of objects		2.14 Partition the second number to subtract tens then ones 2.19 Double Numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present CanDo Tables 7 x 10	
	T			Find 3/4 of an amount			
	W			Extra Problem Solving			
	T			Tell the time using quarter past the hour on an analogue clock			
21/03/2022	M	KPI 21, 22	Measurement: Time	Tell the time using quarter to the hour on an analogue clock	2.14 Partition the second number to subtract tens then ones 2.19 Double Numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present CanDo Tables 8 x 10		
	T			Draw the hands on a clock to show quarter past/to the hour on an analogue clock			
	W			Know and use the fact that there are 60 minutes in 1 hour			
	T			Tell the time to five minute intervals past the hour on an analogue clock			
28/03/2022	M	KPI 21, 22	Measurement: Money	Draw the hands on a clock to show five minute intervals past the hour on an analogue clock			2.9 Partition the second number to add tens then ones 2.22 Halve numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present CanDo Tables 9 x 10
	T			Draw the hands on a clock to show five minute intervals to the hour on an analogue clock			
	W			Draw the hands on a clock to show five minute intervals to the hour on an analogue clock			
	T			Order or sequence intervals of time, including the fact that there are 24 hours in one day			
04/04/2022	M	KPI 21, 22	Measurement: Money	Combine £1, £2, £5 and £10 use the symbol for pounds (£)		2.9 Partition the second number to add tens then ones 2.22 Halve numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present CanDo Tables 3 x 5	
	T			Find the sum of different amounts of pounds			
	W			Combine 1p, 2p and 5p coins to make different totals			
	T			Combine 10p, 20p and 50p coins to make different totals			
	M	KPI 21, 22	Measurement: Money	Find the sum of different amounts of pence	2.9 Partition the second number to add tens then ones 2.22 Halve numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present CanDo Tables 4 x 5		
	T			Find different combinations of coins that equal the same amounts of money			
	W			Calculate change from 50p			
	T			Calculate change from £1			
				Extra Problem Solving			
				End of Term Assessment: Remember It 4			
Easter Break							



Year 2 Term 5

Term 5. W/c		KPI	D/E RTP	Maths Lessons: Intelligent Practice Lesson by Lesson Plan		Fact Check	Maths on Track: Deliberate Practice Suggested focus based on the ArithmeKit Magic 24												
25/04/2022	M	KPI 23 (2MD-1)		Statistics	Interpret a table	5 x table facts	2.10 Use known facts to 10 to derive other facts												
	T				Construct a tally chart		2.21 Solve multiplication problems												
	W				Interpret a pictogram where the symbol represents a single item		Deliberate Practice: Past and Present												
	T				Construct a pictogram where the symbol represents a single item		Deliberate Practice: Past and Present												
02/05/2022	F			KPI 17			Statistics	Interpret a pictogram where the symbol represents 2 items	5 x table facts	CanDo Tables 5 x 5									
	M							Bank Holiday		2.21 Solve multiplication problems									
	T							Construct a pictogram where the symbol represents 2 items		Deliberate Practice: Past and Present									
	W							Interpret a pictogram where the symbol represents 5 or 10 items		Deliberate Practice: Past and Present									
09/05/2022	T						KPI 17			Statistics	Construct a pictogram where the symbol represents 5 or 10 items	5 x table facts	CanDo Tables 6 x 5						
	W										Construct a pictogram where the symbol represents 5 or 10 items		2.10 Use known facts to 10 to derive other facts						
	T										Interpret a block diagram		2.21 Solve multiplication problems						
	F										Construct a block diagram		Deliberate Practice: Past and Present						
16/05/2022	M									KPI 17			Measurement: Capacity and Temperature	Extra Problem Solving	5 x table facts	Deliberate Practice: Past and Present			
	T													Extra Problem Solving		Deliberate Practice: Past and Present			
	W													Extra Problem Solving		CanDo Tables 7 x 5			
	T													Extra Problem Solving		2.13 Find the difference between two numbers			
23/05/2022	F	KPI 17				Measurement: Capacity and Temperature							Measure capacity using litres	5 x table facts		2.23 Use sharing to solve division problems			
	M												Measure capacity using millilitres			Deliberate Practice: Past and Present			
	T												Estimate capacity using litres			Deliberate Practice: Past and Present			
	W												Estimate capacity using millilitres			CanDo Tables 8 x 5			
	F			KPI 17		Measurement: Capacity and Temperature			Compare capacity, > and <				5 x table facts			2.13 Find the difference between two numbers			
	M								Order capacities							2.23 Use sharing to solve division problems			
	T								Measure temperature							Deliberate Practice: Past and Present			
	W								Extra Problem Solving							Deliberate Practice: Past and Present			
	T					KPI 17		Measurement: Capacity and Temperature	Extra Problem Solving			5 x table facts				CanDo Tables 9 x 5			
	F								End of Term Assessment: Remember It 5										
Half Term																			



Year 2 Term 6

Term 6. W/c	KPI	DfE RTP	Maths Lessons: Securing learning Moving on Up		Fact Check	Maths on Track: Deliberate Practice <i>Suggested focus on securing the essentials and number fact fluency</i>
06/06/2022	M	KPI 1. 2, 3 2NPF-1, 2	Place Value	Read, write, compare and order 2-digit numbers	2 x table facts	2.13 Find the difference between two numbers
	T			Find 10 more or less of a 2-digit number		2.23 Use sharing to solve division problems
	W			Deliberate Practice: Past and Present		
	F			Deliberate Practice: Past and Present		
13/06/2022	M	KPI 3, 9 2NF-1	Addition and Subtraction	Recall and use addition and subtraction facts to 10 and know that addition is commutative	2 x table facts	2.4 Use known facts to 10 to derive other facts
	T			2.24 Use grouping to solve division problems		
	W			Deliberate Practice: Past and Present		
	F			Deliberate Practice: Past and Present		
20/06/2022	M	KPI 2 2AS-3, 4	Addition and Subtraction	Add two 2-digit numbers	2 x table facts	2.4 Use known facts to 10 to derive other facts
	T			2.24 Use grouping to solve division problems		
	W			Deliberate Practice: Past and Present		
	F			Deliberate Practice: Past and Present		
27/06/2022	M	KPI 8 2AS-3, 4	Addition and Subtraction	Subtract two 2-digit numbers	2 x table facts	2.4 Use known facts to 10 to derive other facts
	T			2.24 Use grouping to solve division problems		
	W			Deliberate Practice: Past and Present		
	F			Deliberate Practice: Past and Present		
04/07/2022	M	KPI 6, 20, 21, 22 2G-1	Geometry and Measurement	Identify and describe the properties of 2-D and 3-D shapes, including the number of edges, vertices and faces	5 x table facts	2.1 Explain about tens and ones in 2-digit numbers
	T			Tell the time to quarter to/past and 5 minute intervals		2.9 Partition and recombine to add
	W			Calculate change and combine coins to make amounts		Deliberate Practice: Past and Present
	F			Deliberate Practice: Past and Present		
11/07/2022	M	KPI 10, 12, 16, 14, 15, 18, 19 2NF-2 3NPF-4	Multiplication and Division	Understand how multiplication and division can be represented and know that multiplication is commutative	10 x table facts	2.1 Explain about tens and ones in 2-digit numbers
	T			Know and use multiplication and division facts for 2, 5 and 10 multiplication tables		2.9 Partition and recombine to add
	W			Read scales in divisions of 1, 2, 5 and 10		Deliberate Practice: Past and Present
	F			Deliberate Practice: Past and Present		
18/07/2022	M	KPI 10, 12, 16, 14, 15, 18, 19 2MD-1, 2 3NF-2	Fractions	Recognise and find one half, one third and one quarter	10 x table facts	2.1 Explain about tens and ones in 2-digit numbers
	T			TDD		2.9 Partition and recombine to add
	W			TDD		Deliberate Practice: Past and Present
	F					
Summer Holiday						