



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.

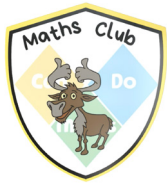
Remember It at the end of each term is a session to check the learning that has taken place during the term using the CanDoMaths Remember It for that term.

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.

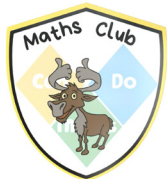
In your Wednesday and Thursday maths meetings it is suggested that you use deliberate practice to secure sustainable progress - based on past and present learning. You may want to use CanDoMaths Deliberate Practice and Retrieve It resources to support your planning for these sessions.

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	Deliberate Practice: Past and Present
				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

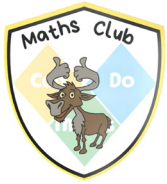
Term 2. W/c		KPI	DfE RTP	Maths Lessons: Intelligent Practice Lesson by Lesson Plan		Fact Check					
01/11/2021	M	KPI 8, 9	2NE-1 2AS-2 3AS-3	Addition and Subtraction: Subtraction	Remember This?	Maths on Track: Deliberate Practice Suggested focus based on the ArithmeKit Magic 24					
	T				Understand why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



Year 2 Term 3

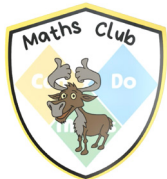
Term 3. W/c		KPI	DfE RTP	Maths Lessons: Intelligent Practice Lesson by Lesson Plan		Fact Check	Maths on Track: Deliberate Practice Suggested focus based on the ArithmeKit Magic 24				
04/01/2021	M	KPI 14, 15, 24	2MD-1, 2 3NF-2	Multiplication and Division: Multiplication Tables	TDD	2 x table facts	2.11 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				
11/01/2021	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		
18/01/2021	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
25/01/2021	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
01/02/2021	F			KPI 17	(3NPV-4)			Measurement: Length and Mass	Measure the mass of objects (kg)	2 x table facts	Deliberate Practice: Past and Present
	M								Measure the mass of objects (g)		Deliberate Practice: Past and Present
	T								Estimate the mass of objects		CanDo Tables 2x7
	W								Compare the mass of objects using >, < and =		2.2 Compare and order numbers to 100
08/02/2021	F					KPI 17	(3NPV-4)	Measurement: Length and Mass	Order the mass of objects	2 x table facts	2.20 Recognise odd and even numbers
	M								Measure lengths (m)		Deliberate Practice: Past and Present
	T								Measure lengths (cm)		Deliberate Practice: Past and Present
	W								Estimate lengths		CanDo Tables 2x9
08/02/2021	F	KPI 17	(3NPV-4)					Measurement: Length and Mass	Compare lengths using >, < and =	2 x table facts	2.2 Compare and order numbers to 100
	M								Order lengths		2.20 Recognise odd and even numbers
	T								Measure heights (cm)		Deliberate Practice: Past and Present
	W								Estimate heights		Deliberate Practice: Past and Present
08/02/2021	F			KPI 17	(3NPV-4)			Measurement: Length and Mass	Compare heights using >, < and =	2 x table facts	CanDo Tables 2x12
	M								Extra Problem Solving		2.2 Compare and order numbers to 100
	T								Extra Problem Solving		2.20 Recognise odd and even numbers
	W								Extra Problem Solving		Deliberate Practice: Past and Present
08/02/2021	F					KPI 17	(3NPV-4)	Measurement: Length and Mass	Extra Problem Solving	2 x table facts	Deliberate Practice: Past and Present
	M								Extra Problem Solving		Deliberate Practice: Past and Present
	T								Extra Problem Solving		CanDo Tables 2x12
	W								End of Term Assessment: Remember It 3		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		Fact Check	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	10 x table facts	2.14 Partition the second number to subtract tens then ones
	T				Find 1/3 of objects		2.19 Double Numbers
	W				Find 1/3 of an amount		Deliberate Practice: Past and Present
	T				Recognise two quarters as two of four equal parts, or two of one quarter of a shape and use fraction notation		Deliberate Practice: Past and Present
07/03/2022	F	KPI 19	3F-1	Fractions	Find 2/4 of objects	10 x table facts	2.14 Partition the second number to subtract tens then ones
	M				Find 2/4 of an amount		2.19 Double Numbers
	T				Recognise that a half is equivalent to two quarters		Deliberate Practice: Past and Present
	W				Recognise three quarters as three of four equal parts, or three of one quarter of a shape and use fraction notation		Deliberate Practice: Past and Present
14/03/2022	T	KPI 20		Measurement: Time	Find 3/4 of objects	10 x table facts	2.14 Partition the second number to subtract tens then ones
	F				Find 3/4 of an amount		2.19 Double Numbers
	M				Extra Problem Solving		Deliberate Practice: Past and Present
	T				Tell the time using quarter past the hour on an analogue clock		Deliberate Practice: Past and Present
21/03/2022	W	KPI 21, 22		Measurement: Time	Tell the time using quarter to the hour on an analogue clock	10 x table facts	2.14 Partition the second number to subtract tens then ones
	T				Draw the hands on a clock to show quarter past/to the hour on an analogue clock		2.19 Double Numbers
	F				Know and use the fact that there are 60 minutes in 1 hour		Deliberate Practice: Past and Present
	M				Tell the time to five minute intervals past the hour on an analogue clock		Deliberate Practice: Past and Present
28/03/2022	T	KPI 21, 22		Measurement: Money	Draw the hands on a clock to show five minute intervals past the hour on an analogue clock	5 x table facts	2.9 Partition the second number to add tens then ones
	W				Tell the time to five minute intervals to the hour on an analogue clock		2.22 Halve numbers
	T				Draw the hands on a clock to show five minute intervals to the hour on an analogue clock		Deliberate Practice: Past and Present
	F				Order or sequence intervals of time, including the fact that there are 24 hours in one day		Deliberate Practice: Past and Present
04/04/2022	M	KPI 21, 22		Measurement: Money	Combine £1, £2, £5 and £10 use the symbol for pounds (£)	5 x table facts	2.9 Partition the second number to add tens then ones
	T				Find the sum of different amounts of pounds		2.22 Halve numbers
	W				Combine 1p, 2p and 5p coins to make different totals		Deliberate Practice: Past and Present
	F				Combine 10p, 20p and 50p coins to make different totals		Deliberate Practice: Past and Present
04/04/2022	T	KPI 21, 22		Measurement: Money	Find the sum of different amounts of pence	5 x table facts	CanDo Tables 3 x 5
	W				Find different combinations of coins that equal the same amounts of money		2.9 Partition the second number to add tens then ones
	T				Calculate change from 50p		2.22 Halve numbers
	F				Calculate change from £1		Deliberate Practice: Past and Present
					Extra Problem Solving		Deliberate Practice: Past and Present
					End of Term Assessment: Remember It 4		CanDo Tables 4 x 5
Easter Break							



Year 2 Term 5

Term 5. W/c	KPI	D/E RTP	Maths Lessons: Intelligent Practice Lesson by Lesson Plan		Fact Check	
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 2.21 Solve multiplication problems Deliberate Practice: Past and Present Deliberate Practice: Past and Present CanDo Tables 5 x 5	
	T			Construct a tally chart		
	W			Interpret a pictogram where the symbol represents a single item		
	T			Construct a pictogram where the symbol represents a single item		
02/05/2022	F		Interpret a pictogram where the symbol represents 2 items	Statistics	Bank Holiday	5 x table facts 2.21 Solve multiplication problems Deliberate Practice: Past and Present Deliberate Practice: Past and Present CanDo Tables 6 x 5
	M		Construct a pictogram where the symbol represents 2 items			
	W		Interpret a pictogram where the symbol represents 5 or 10 items			
	T		Construct a pictogram where the symbol represents 5 or 10 items			
09/05/2022	F		Interpret a block diagram	Statistics	Construct a block diagram	5 x table facts 2.10 Use known facts to 10 to derive other facts 2.21 Solve multiplication problems Deliberate Practice: Past and Present Deliberate Practice: Past and Present CanDo Tables 7 x 5
	M		Extra Problem Solving			
	T		Extra Problem Solving			
	W		Extra Problem Solving			
16/05/2022	F		Extra Problem Solving	Measurement: Capacity and Temperature	Measure capacity using litres	5 x table facts 2.13 Find the difference between two numbers 2.23 Use sharing to solve division problems Deliberate Practice: Past and Present Deliberate Practice: Past and Present CanDo Tables 8 x 5
	M		Measure capacity using millilitres			
	T		Estimate capacity using litres			
	W		Estimate capacity using millilitres			
23/05/2022	F	Compare capacity, > and <	Measurement: Capacity and Temperature	Order capacities	5 x table facts 2.13 Find the difference between two numbers 2.23 Use sharing to solve division problems Deliberate Practice: Past and Present Deliberate Practice: Past and Present CanDo Tables 9 x 5	
	M	Measure temperature				
	T	Extra Problem Solving				
	W	Extra Problem Solving				
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 1.1, 2.3 2NPFV-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 2MD-1, 2 3NF-2 3NPV-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 3NPV-4	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						