

Year 3

Termly Plans Academic Year 2021 - 2022

Teach Up

Mathematics
Lessons

Manageable
Steps

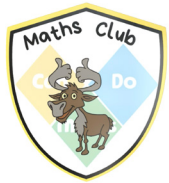
Intelligent Practice

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.

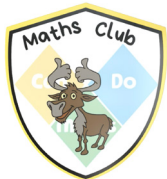
Remember It at the end of each term is a session to check the learning that has taken place during the term using the CanDoMaths Remember It for that term.

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.

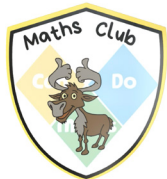
In your Wednesday and Thursday maths meetings it is suggested that you use deliberate practice to secure sustainable progress - based on past and present learning. You may want to use CanDoMaths Deliberate Practice and Retrieve It resources to support your planning for these sessions.

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.



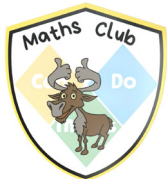
Year 3 Term 1

Term 1 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	
02/09/2021	T	KPI 1 3NPV-1,2	Number and Place Value	TDD	2 x table facts	CanDo Tables 2x6	
	F			Remember This?		ArithmeCheck 2	
06/09/2021	M		Number and Place Value	Represent 3-digit numbers		2 x table facts	2.19 Double numbers
	T			Recognise the value of digits in 3-digit numbers			Deliberate Practice: Past and Present
	W			Partition 3-digit numbers in different ways			Deliberate Practice: Past and Present
	F			Read 3-digit numbers in words and write using numerals			CanDo Tables 2x7
13/09/2021	T		Number and Place Value	Read 3-digit numbers in numerals and write in words		2 x table facts	2.22 Halve numbers
	M			Read 3-digit numbers in words and write using numerals including zero as a place holder			2.22 Halve numbers
	W			Read 3-digit numbers in numerals and write in words, including zero as a place holder			Deliberate Practice: Past and Present
	F			Identify 3-digit numbers on a number line			Deliberate Practice: Past and Present
20/09/2021	T		Number and Place Value	Represent 3-digit numbers on a number line		10 x table facts	CanDo Tables 2x8
	M			Count in steps of 50 and 100 from zero			2.20 Recognise odd and even numbers
	W	Count up in steps of 10 from any 2 or 3-digit number		2.20 Recognise odd and even numbers			
	F	Count back in steps of 10 from any 3-digit number		Deliberate Practice: Past and Present			
27/09/2021	T	Number and Place Value	Count up in steps of 100 from any 2 or 3-digit number	10 x table facts	Deliberate Practice: Past and Present		
	M		Count back in steps of 100 from any 3-digit number		CanDo Tables 10x7		
	W		Find 10 more than a given number		2.10 Use known facts of 10 to derive other facts		
	F		Find 10 less than a given number		2.10 Use known facts of 10 to derive other facts		
04/10/2021	T	Number and Place Value	Find 100 more than a given number	5 x table facts	2.13 Find the difference between two numbers		
	M		Find 100 less than a given number		2.13 Find the difference between two numbers		
	W		Compare any two 3-digit numbers		Deliberate Practice: Past and Present		
	F		Order 3-digit numbers with different hundreds		Deliberate Practice: Past and Present		
11/10/2021	T	Geometry: Properties of Shapes	Order 3-digit numbers with the same hundreds	5 x table facts	CanDo Tables 5x6		
	M		Order 3-digit numbers		2.5 Add multiples of ten to a 2-digit number		
	W		Find tenths of whole numbers and express as fractions and decimals		2.5 Add multiples of ten to a 2-digit number		
	F		Count up in tenths and position them on a number line		Deliberate Practice: Past and Present		
18/10/2021	T	Geometry: Properties of Shapes	Count down in tenths and position them on a number line	5 x table facts	Deliberate Practice: Past and Present		
	M		Extra Problem Solving		CanDo Tables 5x7		
	W		Identify and draw horizontal lines		2.11 Subtract multiples of ten from a 2-digit number		
	F		Identify and draw vertical lines		2.11 Subtract multiples of ten from a 2-digit number		
			Identify and draw parallel lines		Deliberate Practice: Past and Present		
			Identify and draw perpendicular lines		Deliberate Practice: Past and Present		
			Draw common 2D shapes		CanDo Tables 5x8		
			Name and describe 3D shapes				
			Make 3D shapes using modelling materials				
			Extra Problem Solving				
			End of Term Assessment: Remember It 1				
Half Term							



Year 3 Term 2

Term 2. 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
01/11/2021	M	KPI 8, 9, 24	3NF-2, 3MD-1	Multiplication and Division: Multiplication Tables	Build the 3x table	3 x table facts	2.7 Use rounding to add near multiples of ten
	T				Recall and use multiplication facts for the 3 times table		2.7 Use rounding to add near multiples of ten
	W				Recall and use division facts for the 3 times table		Deliberate Practice: Past and Present
	T				Build the 4x table and count in steps of 4 and multiples of 4 from zero		Deliberate Practice: Past and Present
08/11/2021	F	KPI 8, 9, 24	3NF-2, 3MD-1	Multiplication and Division: Multiplication Tables	Recall and use multiplication facts for the 4 times table	3 x table facts	2.15 Use rounding to subtract near multiples of ten
	M				Recall and use division facts for the 4 times table		2.15 Use rounding to subtract near multiples of ten
	T				Build the 8x table and count in steps of 8 and multiples of 8 from zero		Deliberate Practice: Past and Present
	W				Recall and use multiplication facts for the 8 times table		Deliberate Practice: Past and Present
15/11/2021	T	KPI 6	3AS-1, 3NF-3	Addition and subtraction: Mental Methods	Recall and use division facts for the 8 times table	3 x table facts	2.6 Add a single digit number to a 2-digit number using known facts
	F				Recall and use division facts for the 8 times table		2.6 Add a single digit number to a 2-digit number using known facts
	M				Extra Problem Solving		Deliberate Practice: Past and Present
	W				Remember This?"		Deliberate Practice: Past and Present
22/11/2021	T	KPI 6	3AS-1, 3NF-3	Addition and subtraction: Mental Methods	Add ones to three-digit numbers using number facts where the tens don't change	3 x table facts	CanDoTables 3x6
	F				Add ones to three-digit numbers using bridging		2.12 Subtract a single digit number from a 2-digit number using numbers facts
	M				Add ones to three-digit numbers by rounding to ten then compensating		2.12 Subtract a single digit number from a 2-digit number using numbers facts
	W				Add tens to three-digit numbers using number facts, where the hundreds don't change		Deliberate Practice: Past and Present
29/11/2021	T	KPI 7	3AS-1, 3NF-3	Addition and subtraction: Mental Methods	Add tens to three-digit numbers using bridging	3 x table facts	Deliberate Practice: Past and Present
	F				Add hundreds to three-digit numbers using number facts		CanDoTables 3x7
	M				Add 99 to three-digit numbers using rounding to the nearest hundred and then compensating		3.1 Compare and order numbers up to 1000 & position them on a number line
	W				Add two 3-digit numbers using rounding to the nearest hundred and then compensating		3.2 Find 10 and 100 more or less than any given number
06/12/2021	T	KPI 7	3AS-1, 3NF-3	Addition and subtraction: Mental Methods	Add two 3-digit numbers by partitioning and recombining (no regrouping)	3 x table facts	Deliberate Practice: Past and Present
	F				Extra Problem Solving		CanDoTables 3x8
	M				Remember This?"		3.1 Compare and order numbers up to 1000 & position them on a number line
	W				Subtract ones from three-digit numbers using number facts where the tens don't change		3.2 Find 10 and 100 more or less than any given number
13/12/2021	T	KPI 7	3AS-1, 3NF-3	Addition and subtraction: Mental Methods	Subtract ones from three-digit numbers using bridging	3 x table facts	Deliberate Practice: Past and Present
	F				Subtract tens from three-digit numbers using number facts where the hundreds don't change		Deliberate Practice: Past and Present
	M				Subtract tens from three-digit numbers using bridging		CanDoTables 3x9
	W				Subtract hundreds from three-digit numbers using number facts		3.1 Compare and order numbers up to 1000 & position them on a number line
End of Term Assessment: Remember It 2	T	KPI 7	3AS-1, 3NF-3	Addition and subtraction: Mental Methods	Subtract from three-digit numbers using rounding and compensating	3 x table facts	3.2 Find 10 and 100 more or less than any given number
	F				Subtract two 3-digit numbers using partitioning no exchanging		Deliberate Practice: Past and Present
	M				Subtract by finding the difference between two 3-digit numbers with the same hundreds digits		Deliberate Practice: Past and Present
	W				Subtract by finding the difference between two numbers with different hundreds digits		Deliberate Practice: Past and Present
Christmas break							



Year 3 Term 3

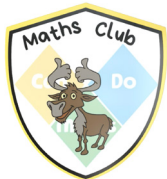
Term 3. W/c		KPI	D/E RTP	Maths Lessons: Intelligent Practice Lesson by Lesson Plan		Fact Check	Maths on Track: Deliberate Practice Suggested focus based on the ArithmeKit Magic 24			
04/01/2022	M	KPI 10	3F-3	Fractions	Remember This?	4 x table facts				
	T				Recognise and represent unit fractions		3.10 Partition the second number to subtract tens then ones			
	W				Recognise and represent non-unit fractions		Deliberate Practice of this week's learning			
	T				Compare two proper fractions which have the same denominator		Deliberate Practice of this week's learning			
10/01/2022	F						Order a set of proper fractions which have the same denominator	CanDoTables 4 x 4		
	M			KPI 11, 13	3AS-2, 3NF-1		Fractions	Compare two unit fractions	4 x table facts	3.4 Add numbers by partitioning and recombining
	T							Order a set of unit fractions		3.10 Partition the second number to subtract tens then ones
	W							Compare two proper fractions which have the same numerator >1 (small denominator)		Deliberate Practice of this week's learning
T	Order a set of proper fractions which have the same numerator >1 (small denominator)							Deliberate Practice of this week's learning		
17/01/2022	F						Recognise and show equivalent proper fractions (denominators multiples of each other)	CanDoTables 4 x 6		
	M			KPI 12, 13	3AS-2, 3NF-1		Fractions	Extra Problem solving	4 x table facts	3.4 Add numbers by partitioning and recombining
	T							Extra Problem solving		3.10 Partition the second number to subtract tens then ones
	W	Extra Problem solving	Deliberate Practice of this week's learning							
T	Extra Problem solving	Deliberate Practice of this week's learning								
24/01/2022	F			Remember This?	CanDoTables 4 x 7					
	M	KPI 11, 13	3AS-2, 3NF-1	Addition and Subtraction: Written Methods	Use column addition for two 3-digit numbers when regrouping is required in the ones column	4 x table facts	3.17 Double 3- digit numbers			
	T				Use column addition for two 3-digit numbers when regrouping is required in the tens column		3.21 Halve 3-digit numbers			
	W				Use column addition for two 3-digit numbers when regrouping is required in multiple columns		Deliberate Practice of this week's learning			
T	Use column addition for 3-digit and 2-digit numbers when regrouping is required in the ones column				Deliberate Practice of this week's learning					
31/01/2022	F			Use column addition for 3-digit and 2-digit numbers when regrouping is required in the tens column	CanDoTables 4 x 8					
	M	KPI 11, 13	3AS-2, 3NF-1	Addition and Subtraction: Written Methods	Use column addition for 3-digit and 2-digit numbers when regrouping is required in multiple columns	4 x table facts	3.17 Double 3- digit numbers			
	T				Choose efficient methods to add numbers with up to 3-digits		3.21 Halve 3- digit numbers			
	W				Extra Problem solving		Deliberate Practice of this week's learning			
T	Extra Problem solving				Deliberate Practice of this week's learning					
07/02/2022	F			Extra Problem solving	CanDoTables 4 x 9					
	M	KPI 12, 13	3AS-2, 3NF-1	Addition and Subtraction: Written Methods	Use column subtraction for 3-digit numbers when exchanging is required in the tens column	4 x table facts	3.17 Double 3- digit numbers			
	T				Use column subtraction for 3-digit numbers when exchanging is required in the hundreds column		3.21 Halve 3- digit numbers			
	W				Use column subtraction for 3-digit numbers when exchanging is required in multiple columns		Deliberate Practice of this week's learning			
T	Use column subtraction for 3-digit and 2-digit numbers when exchanging is required in the tens column				Deliberate Practice of this week's learning					
14/02/2022	F			Use column subtraction for 3-digit and 2-digit numbers when exchanging is required in the hundreds column	CanDoTables 4 x 12					
	M	KPI 12, 13	3AS-2, 3NF-1	Addition and Subtraction: Written Methods	Use column subtraction for 3-digit and 2-digit numbers when exchanging is required in multiple columns	4 x table facts	3.17 Double 3- digit numbers			
	T				Choose efficient methods to subtract numbers with up to 3-digits		3.21 Halve 3- digit numbers			
	W				Extra Problem solving		Deliberate Practice of this week's learning			
T	Extra Problem solving				Deliberate Practice of this week's learning					
	F			End of Term Assessment: Remember It 3	CanDoTables 4 x 12					

Half Term



Year 3 Term 4

Term 4. 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
28/02/2022	M	KPI 14, 16	4MD-3, (5MD-3)	Multiplication and Division	Remember This?	8 x table facts	3.6 Use rounding to add near multiples of ten
	T				Multiply 2-digit numbers by 10 using place value		3.18 Multiply numbers by 10 using place value
	W				Multiply 1-digit numbers by multiples of 10 using place value		Deliberate Practice of this week's learning
	T				Use the distributive law to multiply a teens number by a one-digit number		Deliberate Practice of this week's learning
	F				Use the distributive law to multiply a two-digit number by a one-digit number		CanDoTables 8 x 3
07/03/2022	M	KPI 15	4NF-2	Multiplication and Division	Multiply 2-digit numbers by a 1-digit number using a formal written method (regroup ones)	8 x table facts	3.6 Use rounding to add near multiples of ten
	T				Multiply 2-digit numbers by a 1-digit number using a formal written method (regroup tens)		3.18 Multiply numbers by 10 using place value
	W				Multiply 2-digit numbers by a 1-digit number using a formal written method (multiple)		Deliberate Practice of this week's learning
	T				Use efficient methods to multiply a two-digit number by a one-digit number		Deliberate Practice of this week's learning
	F				Extra Problem Solving		CanDoTables 8 x 4
14/03/2022	M	KPI 15	4NF-2	Multiplication and Division	Divide near multiples by 2, 3, 4, 5, 8, 10 with remainders	8 x table facts	3.6 Use rounding to add near multiples of ten
	T				Divide a 3-digit multiple of ten by 10 using place value		3.18 Multiply numbers by 10 using place value
	W				Use known facts and place value when dividing mentally by 2, 3, 4, 5, and 8 e.g. $120 \div 4$		Deliberate Practice of this week's learning
	T				Use partitioning to divide by a single digit number where the quotient is a teens number		Deliberate Practice of this week's learning
	F				Use multiplication or division to solve scaling or correspondence problems		CanDoTables 8 x 6
21/03/2022	M	KPI 15	4NF-2	Measurement: Money	Extra Problem Solving	8 x table facts	3.11 Use rounding to subtract near multiples of ten
	T				Extra Problem Solving		3.22 Divide numbers by 10 using place value
	W				Remember This?		Deliberate Practice of this week's learning
	T				Use combinations of coins to make amounts beyond £1		Deliberate Practice of this week's learning
	F				Add amounts in pence expressing the answer using £ and p (regrouping in the tens)		CanDoTables 8 x 7
28/03/2022	M	KPI 15	4NF-2	Measurement: Money	Add amounts in pounds and pence	8 x table facts	3.11 Use rounding to subtract near multiples of ten
	T				Subtract pence from £2		3.22 Divide numbers by 10 using place value
	W				Subtract pence from £5		Deliberate Practice of this week's learning
	T				Subtract pounds and pence from £5		Deliberate Practice of this week's learning
	F				Subtract pounds and pence from £10		CanDoTables 8 x 7
04/04/2022	M	KPI 15	4NF-2	Measurement: Money	Calculate change beyond £1	8 x table facts	3.11 Use rounding to subtract near multiples of ten
	T				Extra Problem Solving		3.22 Divide numbers by 10 using place value
	W				Extra Problem Solving		Deliberate Practice of this week's learning
	T				Extra Problem Solving		Deliberate Practice of this week's learning
	F				End of Term Assessment: Remember It 4		CanDoTables 8 x 8
Easter Break							



Year 3 Term 5

Term 5. W/c		KPI	DfE RTP	Maths Lessons: Intelligent Practice Lesson by Lesson Plan		Fact Check	
25/04/2022	M	KPI 17	3F-2, 5F-1	Fractions: Calculating	Remember This?		3.3 Partition 3-digit numbers in different ways
	T				Find unit fractions of a number of objects	3.19 Multiply by a multiple of 10 by using place value	
	W				Find unit fractions of an amount	Deliberate Practice of this week's learning	
	T				Find non-unit fractions of a number of objects	Deliberate Practice of this week's learning	
02/05/2022	F	KPI 18	3F-4	Fractions: Calculating	Find non-unit fractions of an amount	CanDoTables 3 x 5	
	M				Bank Holiday		
	T				Add fractions with the same denominator within one whole	3.19 Multiply by a multiple of 10 by using place value	
	W				Subtract fractions with the same denominator within one whole	Deliberate Practice of this week's learning	
09/05/2022	T	KPI 19		Measurement: Time	Extra Problem Solving	Deliberate Practice of this week's learning	
	F				Remember This?	CanDoTables 3 x 11	
	M				Read Roman numerals up to XII	3.3 Partition 3-digit numbers in different ways	
	T				Know the number of seconds in a minute and multiple minutes	3.19 Multiply by a multiple of 10 by using place value	
16/05/2022	W	KPI 20		Measurement: Time	Know the number of days in each month, year and leap year	Deliberate Practice of this week's learning	
	T				Tell the time to one minute intervals past the hour on an analogue clock	Deliberate Practice of this week's learning	
	F				Draw the hands on a clock to show one minute intervals past the hour on an analogue clock	CanDoTables 8 x 5	
	M				Tell the time to one minute intervals to the hour on an analogue clock	3.9 Subtract numbers by finding the difference between them	
23/05/2022	T	KPI 20		Measurement: Time	Draw the hands on a clock to show one minute intervals to the hour on an analogue clock	3.23 Divide by a multiple of 10 by using place value	
	W				Read analogue time and record using digital format	Deliberate Practice of this week's learning	
	T				Read digital time and write using 'to' and 'past'	Deliberate Practice of this week's learning	
	F				Sequence events using a.m. and p.m.	CanDoTables 8 x 9	
23/05/2022	M	KPI 20		Measurement: Time	Compare times given in seconds, minutes and/or hours	3.9 Subtract numbers by finding the difference between them	
	T				Calculate the duration of events less than one hour	3.23 Divide by a multiple of 10 by using place value	
	W				Calculate the duration of events more than one hour	Deliberate Practice of this week's learning	
	T				Extra Problem Solving	Deliberate Practice of this week's learning	
End of Term Assessment; Remember It 5						CanDoTables 8 x 12	
Half Term							



Year 3 Term 6

Term 6. W/c		KPI	D/E RTP	Maths Lessons: Intelligent Practice Lesson by Lesson Plan		Fact Check	
06/06/2022	M	KPI 21	(4G-2)	Measurement: Length, Mass and Capacity	Remember This?	3.9 Subtract numbers by finding the difference between them	
	T				Use a ruler to measure lengths in millimetres		3.23 Divide by a multiple of 10 by using place value
	W				Compare the length of two objects		Deliberate Practice of this week's learning
	T				Order lengths		Deliberate Practice of this week's learning
	F				Add lengths		Factor Factor Product
13/06/2022	M	KPI 21	(4G-2)	Measurement: Length, Mass and Capacity	Subtract lengths	3.7 Add 3-digit numbers using appropriate mental strategies	
	T				Find the perimeter of a 2-D shapes by measuring	3.20 Use partitioning and known facts to multiply 2-digit by 1-digit mentally	
	W				Measure mass	Deliberate Practice of this week's learning	
	T				Compare mass	Deliberate Practice of this week's learning	
	F				Order mass	Factor Factor Product	
20/06/2022	M	KPI 21	(4G-2)	Measurement: Length, Mass and Capacity	Add and subtract mass	3.7 Add 3-digit numbers using appropriate mental strategies	
	T				Measure capacity	3.20 Use partitioning and known facts to multiply 2-digit by 1-digit mentally	
	W				Compare capacity	Deliberate Practice of this week's learning	
	T				Add and subtract capacities	Deliberate Practice of this week's learning	
	F				Use scaling with measures	Factor Factor Product	
27/06/2022	M	KPI 22	3G-1	Geometry: Properties of Shapes (Angles)	Extra Problem Solving	3.7 Add 3-digit numbers using appropriate mental strategies	
	T				Remember This?	3.20 Use partitioning and known facts to multiply 2-digit by 1-digit mentally	
	W				Understand that angle is a description of turn	Deliberate Practice of this week's learning	
	T				Understand that angles are a feature of shapes	Deliberate Practice of this week's learning	
	F				Identify a right angle as a quarter turn	Factor Factor Product	
04/07/2022	M	KPI 22	3G-1	Geometry: Properties of Shapes (Angles)	Identify when a shape has a right angle	3.12 Subtract 3-digit numbers using appropriate mental strategies	
	T				Recognise that 2 right angles make a half-turn, 3 make three-quarters of a turn and 4 a complete turn	3.24 Use partitioning and known facts to divide 2-digit by 1-digit mentally	
	W				Identify angles that are less than or greater than a right angle	Deliberate Practice of this week's learning	
	T				Extra Problem Solving	Deliberate Practice of this week's learning	
	F				Remember This?	Factor Factor Product	
11/07/2022	M	KPI 23		Statistics	Interpret a pictogram where the symbol represents multiple items	3.12 Subtract 3-digit numbers using appropriate mental strategies	
	T				Construct a pictogram where the symbol represents multiple items	3.24 Use partitioning and known facts to divide 2-digit by 1-digit mentally	
	W				Interpret a bar chart	Deliberate Practice of this week's learning	
	T				Construct a bar chart	Deliberate Practice of this week's learning	
	F				Interpret data in a table	Factor Factor Product	
18/07/2022	M	KPI 23		Statistics	Create a table to show data	3.12 Subtract 3-digit numbers using appropriate mental strategies	
	T				Extra Problem Solving	3.24 Use partitioning and known facts to divide 2-digit by 1-digit mentally	
	W				Extra Problem Solving	Deliberate Practice of this week's learning	
	T				Extra Problem Solving	Deliberate Practice of this week's learning	
	F				End of Term Assessment: Remember It 6	Factor Factor Product	
Summer Holiday							