

Year 3

Termly Plans Academic Year 2021 - 2022

Teach Up

Mathematics
Lessons

Manageable
Steps

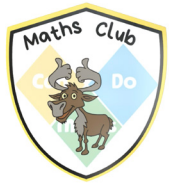
Intelligent Practice

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.

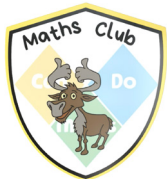
Remember It at the end of each term is a session to check the learning that has taken place during the term using the CanDoMaths Remember It for that term.

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.

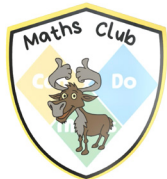
In your Wednesday and Thursday maths meetings it is suggested that you use deliberate practice to secure sustainable progress - based on past and present learning. You may want to use CanDoMaths Deliberate Practice and Retrieve It resources to support your planning for these sessions.

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.



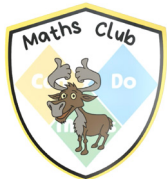
Year 3 Term 1

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



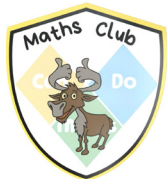
Year 3 Term 2

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, 3 3NF-3	Addition and subtraction: Mental Methods	Recall and use division facts for the 8 times table	3 x table facts	CanDoTables 3x4
	F				Extra Problem Solving		2.6 Add a single digit number to a 2-digit number using known facts
	M				Remember This?"		2.6 Add a single digit number to a 2-digit number using known facts
	T				Add ones to three-digit numbers using number facts where the tens don't change		Deliberate Practice: Past and Present
22/11/2021	W	KPI 6	3AS-1, 3 3NF-3	Addition and subtraction: Mental Methods	Add ones to three-digit numbers using bridging	3 x table facts	Deliberate Practice: Past and Present
	T				Add ones to three-digit numbers by rounding to ten then compensating		Deliberate Practice: Past and Present
	F				Add tens to three-digit numbers using number facts, where the hundreds don't change		CanDoTables 3x6
	M				Add tens to three-digit numbers using bridging		2.12 Subtract a single digit number from a 2-digit number using numbers facts
29/11/2021	T	KPI 7	3AS-1, 3 3NF-3	Addition and subtraction: Mental Methods	Add hundreds to three-digit numbers using number facts	3 x table facts	2.12 Subtract a single digit number from a 2-digit number using numbers facts
	W				Add 99 to three-digit numbers using rounding to the nearest hundred and then compensating		Deliberate Practice: Past and Present
	T				Add two 3-digit numbers using rounding to the nearest hundred and then compensating		Deliberate Practice: Past and Present
	F				Add two 3-digit numbers by partitioning and recombining (no regrouping)		CanDoTables 3x7
06/12/2021	M	KPI 7	3AS-1, 3 3NF-3	Addition and subtraction: Mental Methods	Add two 2-digit numbers where the sum exceeds 100, choosing an efficient mental strategy	3 x table facts	3.1 Compare and order numbers up to 1000 & position them on a number line
	T				Extra Problem Solving		3.2 Find 10 and 100 more or less than any given number
	W				Remember This?		Deliberate Practice: Past and Present
	F				Subtract ones from three-digit numbers using number facts where the tens don't change		Deliberate Practice: Past and Present
13/12/2021	M	KPI 7	3AS-1, 3 3NF-3	Addition and subtraction: Mental Methods	Subtract ones from three-digit numbers using bridging	3 x table facts	CanDoTables 3x8
	T				Subtract tens from three-digit numbers by rounding to ten then compensating		3.1 Compare and order numbers up to 1000 & position them on a number line
	W				Subtract tens from three-digit numbers using number facts where the hundreds don't change		3.2 Find 10 and 100 more or less than any given number
	T				Subtract tens from three-digit numbers using bridging		Deliberate Practice: Past and Present
Christmas break	F	KPI 7	3AS-1, 3 3NF-3	Addition and subtraction: Mental Methods	Subtract hundreds from three-digit numbers using number facts	3 x table facts	Deliberate Practice: Past and Present
	M				Subtract from three-digit numbers using rounding and compensating		Deliberate Practice: Past and Present
	T				Subtract two 3-digit numbers using partitioning no exchanging		CanDoTables 3x9
	W				Subtract by finding the difference between two 3-digit numbers with the same hundreds digits		3.1 Compare and order numbers up to 1000 & position them on a number line
Christmas break	T	KPI 7	3AS-1, 3 3NF-3	Addition and subtraction: Mental Methods	Subtract by finding the difference between two numbers with different hundreds digits	3 x table facts	3.2 Find 10 and 100 more or less than any given number
	F				Extra Problem Solving		Deliberate Practice: Past and Present
	M				End of Term Assessment: Remember It 2		Deliberate Practice: Past and Present
	T						CanDoTables 3x12



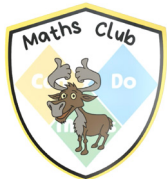
Year 3 Term 3

Term 3. W/c		KPI	D/E RTP	Maths Lessons: Intelligent Practice Lesson by Lesson Plan		Fact Check						
04/01/2022	M	KPI 10	3F-3	Fractions	Remember This?	Maths on Track: Deliberate Practice Suggested focus based on the ArithmeKit Magic 24						
	T				Recognise and represent unit fractions							
	W				Recognise and represent non-unit fractions							
	T				Compare two proper fractions which have the same denominator							
10/01/2022	M			KPI 10	3F-3		Fractions	Order a set of proper fractions which have the same denominator	4 x table facts			
	T							Compare two unit fractions				
	W							Order a set of unit fractions				
	T							Compare two proper fractions which have the same numerator >1 (small denominator)				
17/01/2022	M						KPI 10	3F-3		Fractions	Order a set of proper fractions which have the same numerator >1 (small denominator)	4 x table facts
	T										Recognise and show equivalent proper fractions (denominators multiples of each other)	
	W										Extra Problem solving	
	T										Extra Problem solving	
24/01/2022	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	
	T									Use column addition for two 3-digit numbers when regrouping is required in the tens column		
	W									Use column addition for two 3-digit numbers when regrouping is required in multiple columns		
	T									Use column addition for 3-digit and 2-digit numbers when regrouping is required in the ones column		
31/01/2022	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 the tens column	4 x table facts		
	T								Use column addition for 3-digit and 2-digit numbers when regrouping is required in multiple columns			
	W								Choose efficient methods to add numbers with up to 3-digits			
	T								Extra Problem solving			
07/02/2022	M					KPI 12, 13	3AS-2, 3NF-1	Addition and Subtraction: Written Methods	Extra Problem solving			4 x table facts
	T								Extra Problem solving			
	W								Use column subtraction for 3-digit numbers when exchanging is required in the tens column			
	T								Use column subtraction for 3-digit numbers when exchanging is required in the hundreds column			
14/02/2022	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	
	T								Use column subtraction for 3-digit and 2-digit numbers when exchanging is required in the tens column			
	W								Use column subtraction for 3-digit and 2-digit numbers when exchanging is required in the hundreds column			
	T								Use column subtraction for 3-digit and 2-digit numbers when exchanging is required in the hundreds column			
	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		
	T								Choose efficient methods to subtract numbers with up to 3-digits			
	W								Extra Problem solving			
	T								Extra Problem solving			
End of Term Assessment: Remember It 3						CanDoTables 4 x 12						
Half Term												



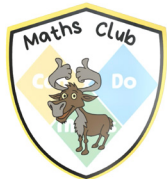
Year 3 Term 4

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	Maths on Track: Deliberate Practice Suggested focus based on the ArithmeKit Magic 24
25/04/2022	M T W T F	KPI 17	3F-2, 5F-1	Fractions: Calculating	Remember This? Find unit fractions of a number of objects Find unit fractions of an amount Find non-unit fractions of a number of objects Find non-unit fractions of an amount		
02/05/2022	M T W T F	KPI 18	3F-4	Fractions: Calculating	Bank Holiday Add fractions with the same denominator within one whole Subtract fractions with the same denominator within one whole Extra Problem Solving Remember This?	3 x table facts	3.19 Multiply by a multiple of 10 by using place value Deliberate Practice of this week's learning Deliberate Practice of this week's learning CanDoTables 3 x 11
09/05/2022	M T W T F	KPI 19		Measurement: Time	Read Roman numerals up to XII Know the number of seconds in a minute and multiple minutes Know the number of days in each month, year and leap year Tell the time to one minute intervals past the hour on an analogue clock Draw the hands on a clock to show one minute intervals past the hour on an analogue clock	8 x table facts	3.3 Partition 3-digit numbers in different ways 3.19 Multiply by a multiple of 10 by using place value Deliberate Practice of this week's learning Deliberate Practice of this week's learning CanDoTables 8 x 5
16/05/2022	M T W T F			Measurement: Time	Tell the time to one minute intervals to the hour on an analogue clock Draw the hands on a clock to show one minute intervals to the hour on an analogue clock Read analogue time and record using digital format Read digital time and write using 'to' and 'past' Sequence events using a.m. and p.m.		8 x table facts
23/05/2022	M T W T F	KPI 20		Measurement: Time	Compare times given in seconds, minutes and/or hours Calculate the duration of events less than one hour Calculate the duration of events more than one hour Extra Problem Solving End of Term Assessment; Remember It 5	8 x table facts	3.9 Subtract numbers by finding the difference between them 3.23 Divide by a multiple of 10 by using place value Deliberate Practice of this week's learning Deliberate Practice of this week's learning 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?	8 x table facts
	T				Use a ruler to measure lengths in millimetres	
	W				Compare the length of two objects	
	T				Order lengths	
	F				Add lengths	
13/06/2022	M	KPI 21	(4G-2)	Measurement: Length, Mass and Capacity	Subtract lengths	8 x table facts
	T				Find the perimeter of a 2-D shapes by measuring	
	W				Measure mass	
	T				Compare mass	
	F				Order mass	
20/06/2022	M	KPI 21	(4G-2)	Measurement: Length, Mass and Capacity	Add and subtract mass	8 x table facts
	T				Measure capacity	
	W				Compare capacity	
	T				Add and subtract capacities	
	F				Use scaling with measures	
27/06/2022	M	KPI 22	3G-1	Geometry: Properties of Shapes (Angles)	Extra Problem Solving	4 x table facts
	T				Remember This?	
	W				Understand that angle is a description of turn	
	T				Understand that angles are a feature of shapes	
	F				Identify a right angle as a quarter turn	
04/07/2022	M	KPI 22	3G-1	Geometry: Properties of Shapes (Angles)	Identify when a shape has a right angle	4 x table facts
	T				Recognise that 2 right angles make a half-turn, 3 make three-quarters of a turn and 4 a complete turn	
	W				Identify angles that are less than or greater than a right angle	
	T				Extra Problem Solving	
	F				Remember This?	
11/07/2022	M	KPI 23		Statistics	Interpret a pictogram where the symbol represents multiple items	3 x table facts
	T				Construct a pictogram where the symbol represents multiple items	
	W				Interpret a bar chart	
	T				Construct a bar chart	
	F				Interpret data in a table	
18/07/2022	M	KPI 23		Statistics	Create a table to show data	3 x table facts
	T				Extra Problem Solving	
	W				Extra Problem Solving	
	T				Extra Problem Solving	
	F				End of Term Assessment: Remember It 6	
Summer Holiday						
				Maths on Track: Deliberate Practice Suggested focus based on the ArithmeKit Magic 24		
				3.9 Subtract numbers by finding the difference between them		8 x table facts
				3.23 Divide by a multiple of 10 by using place value		
				Deliberate Practice of this week's learning		8 x table facts
				Deliberate Practice of this week's learning		
				Factor Factor Product		8 x table facts
				3.7 Add 3-digit numbers using appropriate mental strategies		
				3.20 Use partitioning and known facts to multiply 2-digit by 1-digit mentally		8 x table facts
				Deliberate Practice of this week's learning		
				Deliberate Practice of this week's learning		8 x table facts
				Factor Factor Product		
				3.7 Add 3-digit numbers using appropriate mental strategies		8 x table facts
				3.20 Use partitioning and known facts to multiply 2-digit by 1-digit mentally		
				Deliberate Practice of this week's learning		8 x table facts
				Deliberate Practice of this week's learning		
				Factor Factor Product		4 x table facts
				3.7 Add 3-digit numbers using appropriate mental strategies		
				3.20 Use partitioning and known facts to multiply 2-digit by 1-digit mentally		4 x table facts
				Deliberate Practice of this week's learning		
				Deliberate Practice of this week's learning		4 x table facts
				Factor Factor Product		
				3.12 Subtract 3-digit numbers using appropriate mental strategies		4 x table facts
				3.24 Use partitioning and known facts to divide 2-digit by 1-digit mentally		
				Deliberate Practice of this week's learning		3 x table facts
				Deliberate Practice of this week's learning		
				Factor Factor Product		3 x table facts
				3.12 Subtract 3-digit numbers using appropriate mental strategies		
				3.24 Use partitioning and known facts to divide 2-digit by 1-digit mentally		3 x table facts
				Deliberate Practice of this week's learning		
				Deliberate Practice of this week's learning		3 x table facts
				Factor Factor Product		