



## Year 3

# Termly Plans Academic Year 2023 - 2024

Teach Up

Mathematics Lessons

Manageable Steps

Intelligent Practice

Maths on Track Meetings

> Weekly Suggestions

Deliberate Practice

Keep Up



#### Introduction

This termly plan has two main sections: Maths lessons and Maths on Track meetings.

The Maths lessons have been carefully designed to support you to plan for successful learning of the year's maths based on the National Curriculum. The maths curriculum has been broken down into manageable steps

Manageable to teach and manageable to learn.

The 'Extra Problem Solving' lessons provide flexibility within the timing of the plan for you to make decisions to adopt and adapt the CanDo termly plans to fit your own school calendar. They are an ideal opportunity for children to apply their understanding to new situations or check prerequisite knowledge before starting new learning. The Colin and Coco Challenges within each unit can be used to resource these sessions.

End of Term Assessment: 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. There are QLA Spreadsheets provided to diagnostically analyse results and inform planning for the next term.

Retrieval practice – the process of recalling previously learnt material from our long-term memory – benefits pupils' learning (EEF). The Maths on Track meetings are an essential element in the CanDoMaths curriculum plan and the blue section provides suggestions for these 'Use It or Lose It' retrieval sessions each day:-.

- Monday and Tuesday have an arithmetic focus based on the Magic 24 from the CanDoMaths ArithmeKit.
- Wednesday and Thursday are to deliberately practise past and present learning to secure sustainable progress. CanDoMaths Deliberate Practice, Retrieve It and KeePuppI workouts provide resources for these sessions.
- Friday is time to really hit a number fact hard. CanDoBonds, CanDoTables and CanDo21 are resources that would support these sessions. Of course Friday is not the only time for number facts so the fact column suggests prioritising number bonds/tables throughout the week.

The CanDoMaths curriculum has 24 Key Performance Indicators in each year group. The KPI column identifies when the learning is linked to the KPI.

The DfE RTP column links the CandoMaths KPIs to the DfE Ready to Progress criteria.

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01/09/2023 F M	F		Lesson by Lesson Plan Resources for planning included in Gold and All Access Pass	Fact Ch	Resources for Monday, Tuesday and Friday included in All Access Pass and Use It or Lose It
М			TDD		
	Λ		Represent 3-digit numbers	±	Ready to Progress Paper 1
T	r l	Number and Place	Recognise the value of digits in 3-digit numbers	fac	Ready to Progress Paper 2
04/09/2023 W		Value	Partition 3-digit numbers in different ways	ple	Deliberate Practice: Past and Present
T	1, 2	value	Read 3-digit numbers in words and write using numerals	×	Deliberate Practice: Past and Present/KPI Workout
F			Read 3-digit numbers in numerals and write in words	2	CanDo Tables 2x7
M	<b>1</b> ≥ ≥		Read 3-digit numbers in words and write using numerals including zero as a place holder	ş	2.22 Halve numbers
T		Name to a second Bloom	Read 3-digit numbers in numerals and write in words, including zero as a place holder	fac	2.22 Halve numbers
11/09/2023 W	٧	Number and Place Value	Identify 3-digit numbers on a number line	ple	Deliberate Practice: Past and Present
T	Г	value	Represent 3-digit numbers on a number line	× ÷	Deliberate Practice: Past and Present/Retrievelt
F	F		Count in steps of 50 and 100 from zero	7	CanDo Tables 2x8
M	٨		Count up in steps of 10 from any 2 or 3-digit number	\$	2.20 Recognise odd and even numbers
T	T	Normalia and and Black	Count back in steps of 10 from any 3-diait number	x table fac	2.20 Recognise odd and even numbers
18/09/2023 W	V	Number and Place	Count up in steps of 100 from any 2 or 3-digit number		Deliberate Practice: Past and Present
T	r l	Value	Count back in steps of 100 from any 3-digit number		Deliberate Practice: Past and Present/KPI Workout
F	F		Find 10 more than a given number	10	CanDo Tables 10x7
M	٨		Find 10 less than a given number	\$	2.10 Use known facts of 10 to derive other facts
T	က ကု	Number and Place	Find 100 more than a given number	ğ	2.10 Use known facts of 10 to derive other facts
25/09/2023 W	KPI 2,	Number and Place Value	Find 100 less than a given number	aple	Deliberate Practice: Past and Present
T	ج الا		Compare any two 3-digit numbers	×	Deliberate Practice: Past and Present/Retrievelt
F	F		Order 3-digit numbers with different hundreds	10	CanDo Tables 10x8
M	٨		Order 3-digit numbers with the same hundreds	ş.	2.13 Find the difference between two numbers
T	-1)	Number and Place Value	Order 3-digit numbers	fac	2.13 Find the difference between two numbers
02/10/2023 W	KPI A		Find tenths of whole numbers and express as fractions and decimals	ple	Deliberate Practice: Past and Present
T	(5)		Count up in tenths and position them on a number line	×	Deliberate Practice: Past and Present/KPI Workout
F	F		Count down in tenths and position them on a number line	2	CanDo Tables 5x6
М	٨		Extra Problem Solving	ş	2.5 Add multiples of ten to a 2-digit number
T	2 2	Geometry: Properties of	Identify and draw horizontal lines	fac	2.5 Add multiples of ten to a 2-digit number
09/10/2023 W	V E 5	Shapes	Identify and draw vertical lines	ple	Deliberate Practice: Past and Present
T		Shapes	Identify and draw parallel lines	×	Deliberate Practice: Past and Present/Retrievelt
F	F		Identify and draw perpendicular lines	5	CanDo Tables 5x7
М	٨	Geometry: Properties of Shapes	Draw common 2D shapes	ş	2.11 Subtract multiples of ten from a 2-digit number
T			Name and describe 3D shapes	fac	2.11 Subtract multiples of ten from a 2-digit number
16/10/2023 W	V		Make 3D shapes using modelling materials	ple	Deliberate Practice: Past and Present
T	Г		Extra Problem Solving	×	Deliberate Practice: Past and Present/KPI Workout
F	F		End of Term Assessment: Remember It 1	5	CanDo Tables 5x8



Term 2. W/	'c <mark>Kbi</mark>	DfE RTP		Maths Lessons: Intelligent Practice Lesson by Lesson Plan Resources for planning included in Gold and All Access Pass	Maths on Track: Deliberate Practice Resources for Monday, Tuesday and Friday included in All Access Pass and Use It or Lose It
	M		Multiplication and Division: Multiplication	Build the 3x table  Recall and use multiplication facts for the 3 times table	2.7 Use rounding to add near multiples of ten 2.7 Use rounding to add near multiples of ten
30/10/2023		_		Recall and use division facts for the 3 times table	Deliberate Practice: Past and Present
	7 <u>4</u>	3MD-	Tables	Build the 4x table and count in steps of 4 and multiples of 4 from zero	Deliberate Practice: Past and Present/KPI Workout
		3⊱		Recall and use multiplication facts for the 4 times table	CanDoTables 3x3
	M <sup>∞</sup>	-2,		Recall and use division facts for the 4 times table	2.15 Use rounding to subtract near multiples of ten
	T 💆	32	Multiplication and	Build the 8x table and count in steps of 8 and multiples of 8 from zero	2.15 Use rounding to subtract near multiples of ten
06/11/2023	w	` ,	Division: Multiplication	Recall and use multiplication facts for the 8 times table	Deliberate Practice: Past and Present
	T		Tables	Recall and use division facts for the 8 times table	Deliberate Practice: Past and Present/Retrievelt
	F			Extra Problem Solving	CanDoTables 3x4
	M			Extra Problem Solving	2.6 Add a single digit number to a 2-digit number using known facts
	T		Addition and subtraction: Mental Methods	Add ones to three-digit numbers using number facts where the tens don't change	2.6 Add a single digit number to a 2-digit number using known facts
13/11/2023	w	m		Add ones to three-digit numbers using bridging	Deliberate Practice: Past and Present
	T	弄		Add ones to three-digit numbers by rounding to ten then compensating	Deliberate Practice: Past and Present/KPI Workout
	F 👱	331		Add tens to three-digit numbers using number facts, where the hundreds don't change	CanDoTables 3x6
	M 👱	AS-1, 3 3NF-3		Add tens to three-digit numbers using bridging	2.12 Subtract a single digit number from a 2-digit number using numbers facts
	T	SAS.	Addition and	Add hundreds to three-digit numbers using number facts	2.12 Subtract a single digit number from a 2-digit number using numbers facts
20/11/2023	w	(1)	subtraction: Mental Methods	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/Retrievelt
	F			Add two 3-digit numbers by partitioning and recombining (no regrouping)	CanDoTables 3x7
M	M			Add two 2-digit numbers where the sum exceeds 100, choosing an efficient mental strategy	3.1 Compare and order numbers up to 1000 & position them on a number line
	T		Addition and subtraction: Mental	Extra Problem Solving	3.2 Find 10 and 100 more or less than any given number
27/11/2023	w			Extra Problem Solving	Deliberate Practice: Past and Present
	T		Methods	Subtract ones from three-digit numbers using number facts where the tens don't change	Deliberate Practice: Past and Present/KPI Workout
	F			Subtract ones from three-digit numbers using bridging	CanDoTables 3x8
	M	6.7	Addition and	Subtract ones 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
	T	3K		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
04/12/2023 V	w	ε,	subtraction: Mental	Subtract tens from three-digit numbers using bridging	Deliberate Practice: Past and Present
	T	3AS-1, 3	Methods	Subtract hundreds from three-digit numbers using number facts	Deliberate Practice: Past and Present/Retrievelt
	F	34		Subtract from three-digit numbers using rounding and compensating	CanDoTables 3x9
	M			Subtract two 3-digit numbers using partitioning no exchanging	3.1 Compare and order numbers up to 1000 & position them on a number line
	T			Subtract by finding the difference between two 3-digit numbers with the same hundreds digits	3.2 Find 10 and 100 more or less than any given number
11/12/2023	W			Subtract by finding the difference between two numbers with different hundreds digits	Deliberate Practice: Past and Present
	T			Extra Problem Solving	Deliberate Practice: Past and Present/KPI Workout
	F			End of Term Assessment: Remember It 2	CanDoTables 3x12
				Christmas break	



Term 3. W/c	DfE RTP		Maths Lessons: Intelligent Practice Lesson by Lesson Plan Resources for planning included in Gold and All Access Pass	Fact Check	Maths on Track: Deliberate Practice Resources for Monday, Tuesday and Friday included in All Access Pass and Use It or Lose It
02/01/2024 W T F	-3	Fractions	Extra Problem Solving Recognise and represent unit fractions Recognise and represent non-unit fractions Compare two proper fractions which have the same denominator	x table	3.10 Partition the second number to subtract tens then ones Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout CanDoTables 4 x 4
08/01/2024 W T F	3F	Fractions	Order a set of proper fractions which have the same denominator  Compare two unit fractions  Order a set of unit fractions  Compare two proper fractions which have the same numerator >1 (small denominator)  Order a set of proper fractions which have the same numerator >1 (small denominator)	x table faci	3.4 Add numbers by partitioning and recombining 3.10 Partition the second number to subtract tens then ones Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt CanDoTables 4 x 6
15/01/2024 W T F	3NF-1	Addition and Subtraction: Written	Recognise and show equivalent proper fractions (denominators multiples of each other)  Extra Problem Solving  Use column addition for two 3-digit numbers when regrouping is required in the ones column  Use column addition for two 3-digit numbers when regrouping is required in the tens column  Use column addition for two 3-digit numbers when regrouping is required in multiple columns	x table fact	3.4 Add numbers by partitioning and recombining 3.10 Partition the second number to subtract tens then ones Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout CanDoTables 4 x 7
22/01/2024 W T F	3AS-2.	Addition and Subtraction: Written Methods	Use column addition for 3-digit and 2-digit numbers when regrouping is required in the ones column Use column addition for 3-digit and 2-digit numbers when regrouping is required in the tens column Use column addition for 3-digit and 2-digit numbers when regrouping is required in multiple columns Choose efficient methods to add numbers with up to 3-digits  Extra Problem Solving	x table fact	3.17 Double 3- digit numbers 3.21 Halve 3-digit numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt CanDoTables 4 x 8
29/01/2024 W T	3NF-1	Addition and Subtraction: Written Methods	Use column subtraction for 3-digit numbers when exchanging is required in the tens column  Use column subtraction for 3-digit numbers when exchanging is required in the hundreds column  Use column subtraction for 3-digit numbers when exchanging is required in multiple columns  Use column subtraction for 3-digit and 2-digit numbers when exchanging is required in the tens column  Use column subtraction for 3-digit and 2-digit numbers when exchanging is required in the hundreds column	x table fact	3.17 Double 3- digit numbers 3.21 Halve 3-digit numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout CanDoTables 4 x 9
05/02/2024 W T F	Addition and Subtraction: Written Methods	Use column subtraction for 3-digit and 2-digit numbers when exchanging is required in multiple columns  Choose efficient methods to subtract numbers with up to 3-digits  Extra Problem Solving  Extra Problem Solving  End of Term Assessment: Remember It 3  Half Term	x table fact	3.17 Double 3- digit numbers 3.21 Halve 3-digit numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt CanDoTables 4 x 12	



Term 4. W/c	CATE RTP	Maths Lessons: Intelligent Practice Lesson by Lesson Plan Resources for planning included in Gold and All Access Pass			Maths on Track: Deliberate Practice Resources for Monday, Tuesday and Friday included in All Access Pass and Use It or Lose It
M			Extra Problem Solving	\$	3.6 Use rounding to add near multiples of ten
T		Multiplication and	Multiply 2-digit numbers by 10 using place value	fac	3.18 Multiply numbers by 10 using place value
19/02/2024 W	<u>@</u>	Division	Multiply 1-digit numbers by multiples of 10 using place value	ple	Deliberate Practice: Past and Present
T	KPI 14, 16 4MD-3, (5MD-3)	DIVISION	Use the distributive law to multiply a teens number by a one-digit number	ž ×	Deliberate Practice: Past and Present/KPI Workout
F	4, 1 (5N		Use the distributive law to multiply a two-digit number by a one-digit number	80	CanDoTables 8 x 3
M			Multiply 2-digit numbers by a 1-digit number using a formal written method (regroup ones)	\$	3.6 Use rounding to add near multiples of ten
T	Ż Ó	Multiplication and	Multiply 2-digit numbers by a 1-digit number using a formal written method (regroup tens)	fac	3.18 Multiply numbers by 10 using place value
26/02/2024 W	4	Division	Multiply 2-digit numbers by a 1-digit number using a formal written method (multiple)	ple	Deliberate Practice: Past and Present
T		Division	Use efficient methods to multiply a two-digit number by a one-digit number	Ď.	Deliberate Practice: Past and Present/Retrievelt
F			Extra Problem Solving	8	CanDoTables 8 x 4
M		Multiplication and Division	Divide near multiples by 2, 3, 4, 5, 8, 10 with remainders	\$	Ready to Progress Paper 3
T	2		Divide a 3-digit multiple of ten by 10 using place value	fac	3.18 Multiply numbers by 10 using place value
04/03/2024 W	KPI 15 4NF-2		Use known facts and place value when dividing mentally by 2, 3, 4, 5, and 8 e.g. 120 ÷ 4	ple	Deliberate Practice: Past and Present
T	4		Use partitioning to divide by a single digit number where the quotient is a teens number	ž ×	Deliberate Practice: Past and Present/KPI Workout
F			Use multiplication or division to solve scaling or correspondence problems	80	CanDoTables 8 x 6
M			Extra Problem Solving	\$	3.11 Use rounding to subtract near multiples of ten
T		Measurement: Money	Extra Problem Solving	fac	3.22 Divide numbers by 10 using place value
11/03/2024 W			Extra Problem Solving	ple	Deliberate Practice: Past and Present
T			Use combinations of coins to make amounts beyond £1	ž ×	Deliberate Practice: Past and Present/Retrievelt
F			Add amounts in pence expressing the answer using £ and p (regrouping in the tens)	80	CanDoTables 8 x 7
M			Add amounts in pounds and pence	t s	3.11 Use rounding to subtract near multiples of ten
T 18/03/2024 W		Measurement: Money	Subtract pence from £2	fac	3.22 Divide numbers by 10 using place value
			Subtract pence from £5	ple	Deliberate Practice: Past and Present
T			Subtract pounds and pence from £5	×	Deliberate Practice: Past and Present/KPI Workout
F			Subtract pounds and pence from £10	80	CanDoTables 8 x 7
M		Measurement: Money	Calculate change beyond £1	ts t	3.11 Use rounding to subtract near multiples of ten
T			Extra Problem Solving	fac	3.22 Divide numbers by 10 using place value
25/03/2024 W			Extra Problem Solving	ple	Deliberate Practice: Past and Present
T			End of Term Assessment: Remember It 4	×	Deliberate Practice: Past and Present/Retrievelt
F				80	
Easter Break					



Section   Sect	Term 5. W/c	DfE RTP		Maths Lessons: Intelligent Practice Lesson by Lesson Plan Resources for planning included in Gold and All Access Pass	Fact Check	Maths on Track: Deliberate Practice Resources for Monday, Tuesday and Friday included in All Access Pass and Use It or Lose It
## Practions:Calculating   Subtract fractions with the same denominator within one whole	T	3F-2, 5F-1	Fractions:Calculating	Find unit fractions of a number of objects Find unit fractions of an amount Find non-unit fractions of a number of objects	3 x table facts	3.19 Multiply by a multiple of 10 by using place value Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout
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  Town the hands on a clock to show 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  Bank Holiday  Read analogue time and record using digital format  Sequence events using a.m. and p.m.  Compare times given in seconds, minutes analogue to events using a.m. and p.m.  Colculate the duration of events less than one hour  Calculate the duration of events more than one hour  Extra Problem Solving  Extra Prob	Τ <sub>∞</sub>	3F-4		Subtract fractions with the same denominator within one whole  Extra Problem Solving  Read Roman numerals up to XII	3 x table facts	3.19 Multiply by a multiple of 10 by using place value Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt
Bank Holiday Read analogue time and record using digital format Read digital lime and record using digital format Read digital lime and write using a.m. and p.m. Compare times given in seconds, minutes and/or hours Colculate the duration of events less than one hour Colculate the duration of events more than one hour  Extra Problem Solving Extra Problem Solving End of Term Assessment: Remember It 5  Bank Holiday Read analogue time and record using digital format Deliberate Practice: Past and Present/Retrievelt CanDoTables 8 x 9  Substract numbers by finding the difference between them 3.2 Subtract numbers by finding the difference between them 3.3 Subtract numbers by finding the difference between them 3.4 Subtract numbers by finding the difference between them 3.5 Subtract n	T			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 Tell the time to one minute intervals to the hour on an analogue clock	8 x table facts	3.19 Multiply by a multiple of 10 by using place value Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout
Calculate the duration of events less than one hour  And Town and the sum of	T			Bank Holiday 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	Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt
20/05/2024 W See Term 6 See Term 6 For the academic year 2023-2024 see week 1 of Term 6 for manageable steps	T		Measurement: Time	Calculate the duration of events less than one hour Calculate the duration of events more than one hour Extra Problem Solving Extra Problem Solving	8 x table facts	3.23 Divide by a multiple of 10 by using place value Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout
F   Half Term	T		See Term 6		Bonds of 8	



Term 6. W/c	DÆ RTP		Maths Lessons: Intelligent Practice Lesson by Lesson Plan Resources for planning included in Gold and All Access Pass	Fact Check	Access Pass and Use It or Lose It
20/05/2024 W T F		Measurement: Length, Mass and Capacity (2023-2024 to be taught in the last week of term 5)	Extra Problem Solving  Use a ruler to measure lengths in millimetres  Compare the length of two objects  Order lengths  Add lengths	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: Past and Present Deliberate Practice: Past and Present/KPI Workout Factor Factor Product
03/06/2024 W T F	(4G-2)	Measurement: Length, Mass and Capacity	Subtract lengths  Find the perimeter of a 2-D shapes by measuring  Measure mass  Compare mass  Order mass	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 Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt Factor Factor Product
10/06/2024 W T F		Measurement: Length, Mass and Capacity	Add and subtract mass  Measure capacity  Compare capacities  Use scaling with measures	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 Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout Factor Factor Product
17/06/2024 M T		Geometry: Properties of Shapes (Angles)	Extra Problem Solving  Extra Problem Solving  Understand that angle is a description of turn  Understand that angles are a feature of shapes	1 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 Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt
24/06/2024 W T F	3G-	Geometry: Properties of Shapes (Angles)	Identify a right angle as a quarter turn  Identify when a shape has a right angle  Recognise that 2 right angles make a half-turn, 3 make three-quarters of a turn and 4 a complete turn  Identify angles that are less than or greater than a right angle  Extra Problem Solving  Extra Problem Solvina	4 x table facts	Factor Factor Product 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 Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout Factor Factor Product
01/07/2024 W T F &		Statistics	Interpret data in a table	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 Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt Factor Factor Product
08/07/2024 W T F		Statistics	Extra Problem Solving  End of Term Assessment: Remember It 6	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 Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout Factor Factor Product
15/07/2024 M T T F F		Extra Problem Solving	Extra Problem Solving	3 x table facts	Ready to Progress Paper 4 3.24 Use partitioning and known facts to divide 2-digit by 1-digit mentally Deliberate Practice: Past and Present Deliberate Practice: Past and Present Factor Factor Product
22/07/2024 M T			TDD TDD Summer Holiday		