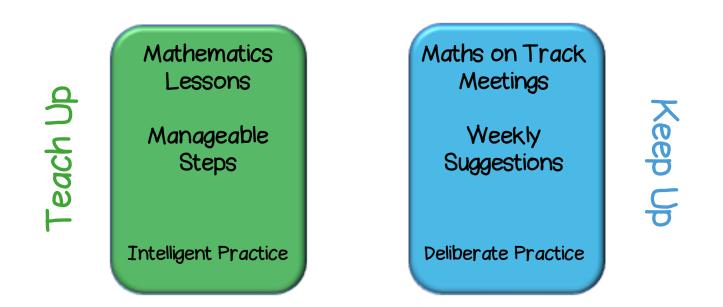




## Year 3

# Termly Plans Academic Year 2022 - 2023



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### 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.

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' 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 prioiritising 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.



Term 1 W/c	e <mark>Kb</mark> l	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
1/09/2022	T F		Number and Place Value	TDD Extra Problem Solving		
	M			Represent 3-digit numbers	<i>"</i>	Ready to Progress Paper 1
	T			Recognise the value of digits in 3-digit numbers	act	Ready to Progress Paper 2
5/09/2022		2	Number and Place	Partition 3-digit numbers in different ways	ole	Deliberate Practice: Past and Present
	т –	<u> </u>	Value	Read 3-digit numbers in words and write using numerals	tal	Deliberate Practice: Past and Present
	F 💆	3NPV-1,		Read 3-diait numbers in numerals and write in words	2	CanDo Tables 2x7
	M	3N		Read 3-digit numbers in words and write using numerals including zero as a place holder	s	2.22 Halve numbers
	Т			Read 3-digit numbers in numerals and write in words, including zero as a place holder	act	2.22 Halve numbers
2/09/2022	w		Number and Place	Identify 3-digit numbers on a number line	ole	Deliberate Practice: Past and Present
	T		Value	Represent 3-diait numbers on a number line	tal	Deliberate Practice: Past and Present
	F			Count in steps of 50 and 100 from zero	2	CanDo Tables 2x8
	M			Count up in steps of 10 from any 2 or 3-digit number	2	2.20 Recognise odd and even numbers
	T			Count back in steps of 10 from any 3-digit number	fac	2.20 Recognise odd and even numbers
9/09/2022	w T		Number and Place Value	Count up in steps of 100 from any c or 3-diait number	ble	Deliberate Practice: Past and Present
.,,				Count back in steps of 100 from any 3-digit number	× p	Deliberate Practice: Past and Present
	F			Find 10 more than a given number	9	CanDo Tables 10x7
	M		Number and Place Value	Find 10 less than a given number	\$	2.10 Use known facts of 10 to derive other facts
	Τo	က္		Find 100 more than a given number	fac	2.10 Use known facts of 10 to derive other facts
6/09/2022		3NPV-3		Find 100 less than a given number	ble	Deliberate Practice: Past and Present
		ЗN		Compare any two 3-digit numbers	×tc	Deliberate Practice: Past and Present
				Order 3-digit numbers with different hundreds	10	CanDo Tables 10x8
	M T			Order 3-digit numbers with the same hundreds	2	2.13 Find the difference between two numbers
		-1)	Number and Place	Order 3-digit numbers	fac	2.13 Find the difference between two numbers
3/10/2022	w	(5NPV-1)	Value	Find tenths of whole numbers and express as fractions and decimals	ble	Deliberate Practice: Past and Present
	T F	(5N	value	Count up in tenths and position them on a number line	x ta	Deliberate Practice: Past and Present
				Count down in tenths and position them on a number line	5	CanDo Tables 5x6
	Μ		Ð	Extra Problem Solving	\$	2.5 Add multiples of ten to a 2-digit number
	KPI5 KPI5	2	Coometry Properties of	Identify and draw horizontal lines	fac	2.5 Add multiples of ten to a 2-digit number
0/10/2022		Ġ	Geometry: Properties of Shapes	Identify and draw vertical lines	ble	Deliberate Practice: Past and Present
		e	shapes	Identify and draw parallel lines	x ta	Deliberate Practice: Past and Present
	F			Identify and draw perpendicular lines	5	CanDo Tables 5x7
	Μ			Draw common 2D shapes	t,	2.11 Subtract multiples of ten from a 2-digit number
	T		Geometry: Properties of	Name and describe 3D shapes	fac	2.11 Subtract multiples of ten from a 2-digit number
7/10/2022	w		Shapes	Make 3D shapes using modelling materials	ble	Deliberate Practice: Past and Present
	T		Shapes	Extra Problem Solving	x ta	Deliberate Practice: Past and Present
	F			End of Term Assessment: Remember It 1	5	CanDo Tables 5x8



#### Year 3 Term 2

Term 2. W/c	KPI 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
м			Build the 3x table	2.7 Use rounding to add near multiples of ten
T		Multiplication and	Recall and use multiplication facts for the 3 times table	2.7 Use rounding to add near multiples of ten
31/10/2022 W	_	Division: Multiplication	Recall and use division facts for the 3 times table	Deliberate Practice: Past and Present
T	<mark>9, 24</mark> 3MD-1	Tables	Build the 4x table and count in steps of 4 and multiples of 4 from zero	Deliberate Practice: Past and Present
F			Recall and use multiplication facts for the 4 times table	CanDoTables 3x3
м	<mark>018</mark>		Recall and use division facts for the 4 times table	2.15 Use rounding to subtract near multiples of ten
T	S IS	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
07/11/2022 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
F			Extra Problem Solving	CanDoTables 3x4
Μ			Extra Problem Solving	2.6 Add a single digit number to a 2-digit number using known facts
T		Addition and	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
4/11/2022 W		subtraction: Mental	Add ones to three-digit numbers using bridging	Deliberate Practice: Past and Present
T	<mark>6</mark> 3NF-3	Methods	Add ones to three-digit numbers by rounding to ten then compensating	Deliberate Practice: Past and Present
F	<mark>3 31</mark>		Add tens to three-digit numbers using number facts, where the hundreds don't change	CanDoTables 3x6
Μ	KP 3AS-1, (		Add tens to three-digit numbers using bridging	2.12 Subtract a single digit number from a 2-digit number using numbers facts
T	AS-	Addition and subtraction: Mental Methods	Add hundreds to three-digit numbers using number facts	2.12 Subtract a single digit number from a 2-digit number using numbers facts
21/11/2022 W	65		Add 99 to three-digit numbers using rounding to the nearest hundred and then compensating	Beliberate 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
Μ			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	Extra Problem Solving	3.2 Find 10 and 100 more or less than any given number
8/11/2022 W		subtraction: Mental	Extra Problem Solving	Deliberate Practice: Past and Present
Т		Methods	Subtract ones from three-digit numbers using number facts where the tens don't change	Deliberate Practice: Past and Present
F			Subtract ones from three-digit numbers using bridging	CanDoTables 3x8
M	9		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	3NF-	Addition and	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
05/12/2022 W	PI7		Subtract tens from three-digit numbers using bridging	Deliberate Practice: Past and Present
T	S-1.	Methods	Subtract hundreds from three-diait numbers using number facts	Deliberate Practice: Past and Present
F	3AS-		Subtract from three-diait 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		Addition and	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
2/12/2022 W		subtraction: Mental	Subtract by finding the difference between two numbers with different hundreds diaits	Deliberate Practice: Past and Present
T		Methods	Extra Problem Solving	Deliberate Practice: Past and Present
F			End of Term Assessment: Remember It 2	CanDoTables 3x12
		Ļ	Christmas break	



#### Year 3 Term 3

Term 3. W/o		DÆRTP	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 A Access Pass and Use It or Lose It
02/01/2023	T	Fractions	Extra Problem Solving Recognise and represent unit fractions Recognise and represent non-unit fractions Compare two proper fractions which have the same denominator	B     B       B     3.10 Partition the second number to subtract tens then ones       B     Deliberate Practice of this week's learning       D     CanDoTables 4 x 4
09/01/2023	T	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)	3.4 Add numbers by partitioning and recombining         3.10 Partition the second number to subtract tens then ones         Deliberate Practice of this week's learning         Deliberate Practice of this week's learning         CanDoTables 4 x 6
16/01/2023	<u> </u>	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 the tens 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	3.4 Add numbers by partitioning and recombining 3.10 Partition the second number to subtract tens then ones Deliberate Practice of this week's learning Deliberate Practice of this week's learning CanDoTables 4 x 7
23/01/2023		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	3.17 Double 3- digit numbers 3.21 Halve 3-digit numbers Deliberate Practice of this week's learning Deliberate Practice of this week's learning CanDoTables 4 x 8
30/01/2023	T m	Addition and Subtraction: Written	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 tens column Use column subtraction for 3-digit and 2-digit numbers when exchanging is required in the hundreds column	3.17 Double 3- digit numbers 3.21 Halve 3-digit numbers Deliberate Practice of this week's learning Deliberate Practice of this week's learning CanDoTables 4 x 9
	M T W T F	ମୁ ୧୦ ୨୦ 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	<ul> <li>3.17 Double 3- digit numbers</li> <li>3.21 Halve 3-digit numbers</li> <li>Deliberate Practice of this week's learning</li> <li>Deliberate Practice of this week's learning</li> <li>CanDoTables 4 x 12</li> </ul>



#### Year 3 Term 4

Term 4. 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
20/02/2023 W T F	(5MD-3)	Multiplication and	Extra Problem Solving Multiply 2-digit numbers by 10 using place value Multiply 1-digit numbers by multiples of 10 using place value Use the distributive law to multiply a teens number by a one-digit number Use the distributive law to multiply a two-digit number by a one-digit number	8 x table facts	3.6 Use rounding to add mear multiples of ten 3.18 Multiply numbers by 10 using place value Deliberate Practice of this week's learning Deliberate Practice of this week's learning CanDoTables 8 x 3
27/02/2023 W T F	4MD-3, (	Multiplication and Division	Multiply 2-digit numbers by a 1-digit number using a formal written method (regroup ones) Multiply 2-digit numbers by a 1-digit number using a formal written method (regroup tens) Multiply 2-digit numbers by a 1-digit number using a formal written method (multiple) Use efficient methods to multiply a two-digit number by a one-digit number Extra Problem Solving	8 x table facts	3.6 Use rounding to add mear multiples of ten 3.18 Multiply numbers by 10 using place value Deliberate Practice of this week's learning Deliberate Practice of this week's learning CanDoTables 8 x 4
06/03/2023 W T F	4NF-2	Multiplication and Division	Divide near multiples by 2, 3, 4, 5, 8, 10 with remainders Divide a 3-digit multiple of ten by 10 using place value Use known facts and place value when dividing mentally by 2, 3, 4, 5, and 8 e.g. 120 ÷ 4 Use partitioning to divide by a single digit number where the quotient is a teens number Use multiplication or division to solve scaling or correspondence problems	8 x table facts	Ready to Progress Paper 3 3.18 Multiply numbers by 10 using place value Deliberate Practice of this week's learning Deliberate Practice of this week's learning CanDoTables 8 x 6
13/03/2023 W T F			Extra Problem Solving Extra Problem Solving Extra Problem Solving Use combinations of coins to make amounts beyond £1 Add amounts in pence expressing the answer using £ and p (rearouping in the tens)	8 x table facts	3.11 Use rounding to subtract mear multiples of ten 3.22 Divide numbers by 10 using place value Deliberate Practice of this week's learning Deliberate Practice of this week's learning CanDoTables 8 x 7
20/03/2023 W T F			Add amounts in pounds and pence Subtract pence from £2 Subtract pounds and pence from £5 Subtract pounds and pence from £10	8 x table facts	3.11 Use rounding to subtract mear multiples of ten 3.22 Divide numbers by 10 using place value Deliberate Practice of this week's learning Deliberate Practice of this week's learning CanDoTables 8 x 7
27/03/2023 W T F		Measurement: Money	Calculate change beyond £1 Extra Problem Solving Extra Problem Solving Extra Problem Solving Extra Problem Solving End of Term Assessment: Remember It 4	8 x table facts	3.11 Use rounding to subtract mear multiples of ten         3.22 Divide numbers by 10 using place value         Deliberate Practice of this week's learning         Deliberate Practice of this week's learning         CanDoTables 8 x 8



Term 5. W/c	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
17/04/2023 W T F	3F-2, 5F-1	Fractions:Calculating	Extra Problem Solving 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	3 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 3 x 5
24/04/2023 W T F	3F-4	Fractions:Calculating	Add fractions with the same denominator within one whole Subtract fractions with the same denominator within one whole Extra Problem Solving Read Roman numerals up to XII Know the number of seconds in a minute and multiple minutes	3 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 3 x 11
01/05/2023 W T F			Bank Holiday 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 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 of this week's learning Deliberate Practice of this week's learning CanDoTables 8 x 5
08/05/2023 W T F		Measurement: Time	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. Compare times given in seconds, minutes and/or hours	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 9
M 15/05/2023 W T F		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 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
22/05/2023 W T F		See Term 6	For the academic year 2022-2023 see week 1 of Term 6 for manageable steps	Bonds of 8	



Term 6. W/c	KPI	DERTP	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
22/05/2023 V	M T W T F	Measurement: Length, Mass and Capacity (2022-2023 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	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         Factor Factor Product
05/06/2023 V		(2-04) Measurement: Length, Mass and Capacity	Subtract lengths Find the perimeter of a 2-D shapes by measuring Measure mass Compare mass Order mass	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 of this week's learning Deliberate Practice of this week's learning Factor Factor Product
12/06/2023 V	M T W T F	Measurement: Length, Mass and Capacity	Add and subtract mass Measure capacity Compare capacity Add and subtract capacities Use scaling with measures	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 of this week's learning Deliberate Practice of this week's learning Factor Factor Product
19/06/2023 V	N T W T F	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 Identify a right angle as a quarter turn	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 of this week's learning Deliberate Practice of this week's learning Factor Factor Product
26/06/2023 V	E M T M F	Geometry: Properties of Shapes (Angles)	Identify when a shape has a right angle 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 Solving	3.12 Subtract 3-digit numbers using appropriate mental strategies     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 of this week's learning     Deliberate Practice of this week's learning     Factor Factor Product
03/07/2023 V	M T W T F	Statistics	Interpret a pictogram where the symbol represents multiple items Construct a pictogram where the symbol represents multiple items Interpret a bar chart Construct a bar chart Interpret data in a table	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 of this week's learning     Deliberate Practice of this week's learning     Factor Factor Product
10/07/2023 V		Statistics	Create a table to show data Create a table to show data Extra Problem Solving Extra Problem Solving Extra Problem Solving End of Term Assessment: Remember It 6	3.12 Subtract 3-digit numbers using appropriate mental strategies     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 of this week's learning     Deliberate Practice of this week's learning     Factor Factor Product
17/07/2023 V	M T	Extra Problem Solving	Extra Problem Solving Extra Problem Solving Extra Problem Solving Extra Problem Solving Extra Problem Solving	Ready to Progress Paper 4 3.24 Use partitioning and known facts to divide 2-digit by 1-digit mentally Deliberate Practice of this week's learning Deliberate Practice of this week's learning Factor Factor Product
24/07/2023 A	M T		TDD TDD TDD TDD Summer Holiday	

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