



Year 5

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.

www.buzzardpublishing.com



Term 1 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
01/09/2022	F			TDD		
	M			Represent 5-digit numbers	50	Ready to Progress Paper 1
	T		Number and Place Value	Recognise the value of digits in 5-digit numbers	fact	Ready to Progress Paper 2
04/09/2023	w			Read 5-digit numbers in words and write using numerals including zero as a place holder	ples	Deliberate Practice: Past and Present
	Τ <mark>α</mark>		value	Read 5-digit numbers in numerals and write in words, including zero as a place holder	o x to	Deliberate Practice: Past and Present/KPI Workout
	F			Identify and represent 5-digit numbers on a number line	9	CanDoTables 6x7
	M 💆	3		Compare 5-digit numbers	50	4.3 Round numbers to the nearest 10, 100 or 1000
	T	6NPV-2,	Number and Place	Represent numbers up to one million	fact	4.3 Round numbers to the nearest 10, 100 or 1000
11/09/2023	w	9	Value	Recognise the value of digits in numbers up to one million	p p	Deliberate Practice: Past and Present
	T	19	value	Read 6-digit numbers in words and write using numerals including zero as a place holder	7×tc	Deliberate Practice: Past and Present/Retrievelt
	F			Read 6-digit numbers in numerals and write in words, including zero as a place holder		CanDoTables 7x7
	Μ		Number and Place Value	Identify and represent 6-digit numbers on a number line	S	4.5 Use number facts to add
	T 🕌			Compare 6-digit numbers	fact	4.9 Use number facts to subtract
18/09/2023	w 🔒			Order numbers up to one million	p p	Deliberate Practice: Past and Present
	T			Round any 5-digit number to the nearest 10 000	7×tc	Deliberate Practice: Past and Present/KPI Workout
	F			Round any 6-digit number to the nearest 100 000	1	CanDoTables 7x8
	M		Decimals	Count forwards and backwards in whole number steps including through zero	S	4.2 Order decimal numbers and posiiton them on a number line
	T LO			Understand and use negative numbers in context, including temperatures below 0°C	fact	4.2 Order decimal numbers and posiiton them on a number line
25/09/2023	w 👸			Extra Problem Solving	ppe	Deliberate Practice: Past and Present
	T			Recognise that thousandths arise from dividing a number (or object) into one thousand equal parts and dividing hundredths by ten	3× tc	Deliberate Practice: Past and Present/Retrievelt
	F			Read a number with three decimal places	ω	CanDoTables 8x6
	M		Decimals	Represent decimal numbers with up to 3 decimal places	S	4.4 Round decimals with 1 decimal place to the nearest whole number
	T			Write decimal equivalents of any number of thousandths	fact	4.4 Round decimals with 1 decimal place to the nearest whole number
02/10/2023	w			Identify decimal numbers, with up to 3 decimal places, on a number line	pp	Deliberate Practice: Past and Present
	T			Position decimal numbers, with up to 3 decimal places, on a number line	3× tc	Deliberate Practice: Past and Present/KPI Workout
	F			Compare a set of numbers written to three decimal places	-	CanDoTables 8x8
	M			Order decimal numbers with 3 decimal places	S.	4.8 Choose appropriate written or mental methods to add 4-digit numbers
	T _	\overline{z}		Compare numbers with a mixed number of decimal places	fac	4.8 Choose appropriate written or mental methods to add 4-digit numbers
09/10/2023	W 🗒	-VAN9	Decimals	Order numbers with a mixed number of decimal places	aple	Deliberate Practice: Past and Present
	T	49		Round numbers with two decimal places to one decimal place	2×t	Deliberate Practice: Past and Present/Retrievelt
	F			Round numbers with two decimal places to the nearest whole number		CanDoTables 12x6
	M		Geometry: Properties of Shapes	Extra Problem Solving	ts.	4.12 Choose appropriate written or mental methods to subtract numbers
	T	(Identify cubes from nets	fact	4.12 Choose appropriate written or mental methods to subtract numbers
16/10/2023	W T			Identify cuboids from nets	able	Deliberate Practice: Past and Present
				Extra Problem Solving	2×tc	Deliberate Practice: Past and Present/KPI Workout
	F			End of Term Assessment: Remember It 1		CanDoTables 12x7
				Half Term		

Read Roman numerals to 1000 (M)
Recognise years written in Roman numerals
Identify prisms from nets
Identify pyramids from nets

Due to the length of Term 1 being shorter for the academic year 2023/24, these manageable steps have been removed from the termly plan for maths lessons. They can be addressed in Maths on Track Meetings.



Term 2. 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
I M		Add two whole numbers choosing an efficient mental strategy	4.18 Double and halve numbers
T		Subtract two whole numbers choosing an efficient mental strategy	4.18 Double and halve numbers
30/10/2023 W	Addition and	Use column addition for two numbers with more than 4 digits when regrouping is required in multiple columns	Deliberate Practice: Past and Present
T	Subtraction	Use column subtraction for two numbers with more than 4 digits when exchanging is required in multiple columns	Deliberate Practice: Past and Present/KPI Workout
F S		Use column addition for numbers with 3 decimal places when regrouping is required	CanDoTables 12x8
M E		Use column addition for numbers with 1, 2 or 3 decimal places when regrouping is required	4.19 Use place value and known facts to multiply mentally
T		Use column subtraction for numbers with 3 decimal places when exchanging is required	4.19 Use place value and known facts to multiply mentally
06/11/2023 W	Addition and	Use column subtraction for numbers with 1, 2 or 3 decimal places when exchanging is required	Deliberate Practice: Past and Present
T	Subtraction	Add two decimal numbers choosing an efficient strategy	Deliberate Practice: Past and Present/Retrievelt
F		Subtract two decimal numbers choosing an efficient strategy	CanDoTables 12x11
M		Extra Problem Solving	4.23 Use place value and known facts to divide mentally
T		Multiply a whole number by 10	4.23 Use place value and known facts to divide mentally
13/11/2023 W	Multiplication and	Multiply a whole number by 100	Deliberate Practice: Past and Present
T	Division: Powers of 10	Multiply a whole number by 1000	Deliberate Practice: Past and Present/KPI Workout
F		Multiply a decimal by 10	CanDoTables 12x12
M	<u>-</u>	Multiply a decimal by 100	4.21 Multiply 3-digit numbers by 1-digit numbers using efficient methods
T	Multiplication and	Multiply a decimal by 1000	4.21 Multiply 3-digit numbers by 1-digit numbers using efficient methods
20/11/2023 W		Divide a whole number by 10	Deliberate Practice: Past and Present
T	Division: Powers of 10	Divide a whole number by 100	Deliberate Practice: Past and Present/Retrievelt
F	4	Divide a whole number by 1000	CanDo21 3x3
M		Divide a decimal by 10	4.24 Divide 3-digit numbers by 1-digit numbers using efficient methods
T	Multiplication and	Divide a decimal by 100	4.24 Divide 3-digit numbers by 1-digit numbers using efficient methods
27/11/2023 W	Division: Powers of 10	Extra Problem Solving	Deliberate Practice: Past and Present
T	Division. Fowers of 10	Extra Problem Solving	Deliberate Practice: Past and Present/KPI Workout
F		Extra Problem Solving	CanDo21 3x4
M		Find prime numbers up to 20	5.2 Compare and order numbers up to 1,000,000
T	Multiplication and	Find prime and composite numbers up to 20	5.4 Round numbers to the nearest 10, 100, 1000, 10,000 and 100,000
04/12/2023 W	Division: Properties of	Express a given number as the product of prime factors	Deliberate Practice: Past and Present
T	Number	Know how to test if a number up to 100 is prime	Deliberate Practice: Past and Present/Retrievelt
F <u>△</u>	<u></u>	Find the common factors of two numbers	S CanDo21 3x6
M ≥	5MD-2	Find multiples of a given number	5.2 Compare and order numbers up to 1,000,000
T	Multiplication and	Find square numbers and use the notation for squared	5.4 Round numbers to the nearest 10, 100, 1000, 10,000 and 100,000
11/12/2023 W	Division: Properties of	Find cube numbers and use the notation for cubed	Deliberate Practice: Past and Present
T	Number	Extra Problem Solving	Deliberate Practice: Past and Present/KPI Workout
F		End of Term Assessment: Remember It 2	CanDo21 3x7
		Christmas break	



Term 3. W/c	DÍE RTP	Maths Lessons: Intelligent Practice Lesson by Lesson Plan Resources for planning included in Gold and All Access Pass		Fort Chack	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	5MD-3	Methods	Extra Problem Solving Multiply numbers up to 4-digits by a one-digit number using short multiplication Multiply 2 digit by 2 digit numbers using the distributive law Multiply 2 digit by 2 digit numbers using long multiplication	A Table of Front	5.3 Compare and order decimals Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout CanDo21 3x8
08/01/2024 W T F		Multiplication and Division: Written Methods	Multiply 3 digit numbers by 2 digit numbers using long multiplication Multiply 4 digit numbers by 2 digit numbers using long multiplication Use efficient methods to multiply mentally Use known facts and place value to multiply a whole number by a decimal Multiply a one-digit number by a decimal (1 dp) using a formal written method	and and and a	5.3 Compare and order decimals 5.5 Round decimal numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt CanDo21 3x9
15/01/2024 W 27 F		Multiplication and Division: Written	Multiply a one-digit number by a decimal (2dp) using a formal written method Extra Problem Solving Extra Problem Solving Divide a four-digit number by a one-digit number using short division (divisor < thousands digit) with no remainder Divide a four-digit number by a one-digit number using short division (thousands digit = multiple of divisor, divisor < hundreds digit) with no remainder	The Dale had Force	5.3 Compare and order decimals 5.5 Round decimal numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout CanDo21 4x4
22/01/2024 W T	5MD-4	Multiplication and	Divide a four-digit number by a one-digit number using short division (divisor > thousands digit) with no remainder Divide a four-digit number by a one-digit number using short division (divisor < thousands digit) with a remainder Divide a four-digit number by a one-digit number using short division (divisor > thousands digit) with a remainder Extra Problem Solving Extra Problem Solving	Participation of the state of t	5.12 Multiply by 100, 100 and 1000 5.17 Divide by 10, 100 and 1000 Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt CanDo21 4x6
29/01/2024 W T		Geometry: Position and Direction	Extra Problem Solving Extra Problem Solving Know what congruence means Carry out a translation described using mathematical language Carry out a reflection using a line parallel to the axes including touching the object	The Parket	5.12 Multiply by 100, 100 and 1000 5.17 Divide by 10, 100 and 1000 Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout CanDo21 4x6
05/02/2024 W T F			Carry out a reflection using a line parallel to the axes and crossing the object Describe a reflection Extra Problem Solving Extra Problem Solving End of Term Assessment: Remember It 3	to Databased English	5.12 Multiply by 100, 100 and 1000 5.17 Divide by 10, 100 and 1000 Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt CanDo21 4x7



Term 4. W	/c <mark>KP</mark>	DÆ 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
19/02/2024	M 1 4 1 1 4 1 1 4 1 1 1 1 1 1 1 1 1 1 1	, 5F-Z, 6F- 2 	Fractions, Decimals and Percentages	Extra Problem Solving Identify equivalent fractions represented visually Compare fractions whose denominators are multiples of the same number	4.6 Use place value or adjusting to add numbers mentally 4.16 Double decimal and whole numbers Deliberate Practice: Past and Present
	F M	3F-3,		Order fractions whose denominators are multiples of the same number Represent tenths and hundredths Write a number less than 1 with one decimal place as a fraction	Deliberate Practice: Past and Present/KPI Workout CanDo21 4x7 4.6 Use place value or adjusting to add numbers mentally
26/02/2024	T W T F	(5F-3)	Fractions, Decimals and Percentages	Write a number less than 1 with two decimal places as a fraction Write a number less than 1 with three decimal places as a fraction Understand that per cent relates to number of parts per hundred Write any percentage as a fraction with a denominator of 100	4.16 Double decimal and whole numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt CanDo21 4x8
04/03/2024	M W T W T	1	Fractions, Decimals and Percentages	Write any percentage as a decimal Know percentage equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 Establish percentage equivalents of fractions with a denominator of multiples of 10 Establish percentage equivalents of fractions with a denominator of multiples of 25	Ready to Progress Paper 3 4.16 Double decimal and whole numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout
11/03/2024	т	NPV-5	Measurement: Length, Mass and Capacity	Extra Problem Solving Extra Problem Solving Convert kilometres to metres using decimal notation Convert metres to kilometres using decimal notation Convert metres to centimetres using decimal notation Convert centimetres to metres using decimal notation	4.21 Halve decimal and whole numbers Deliberate Practice: Past and Present/Retrievelt CanDo21 4x8
18/03/2024	T	SNP	Measurement: Length, Mass and Capacity	Convert between centimetres and millimetres using decimal notation Calculate the perimeter of composite rectilinear shapes where all measurements are given including mixed units Calculate the perimeter of composite rectilinear shapes where some measurements need to be calculated Convert between kilograms and grams using decimal notation Convert between litres and millilitres using decimal notation	4.9 Use place value or adjusting to subtract numbers mentally 4.21 Halve decimal and whole numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout CanDo21 4x9
25/03/2024	M T W T		Measurement: Length, Mass and Capacity	Know approximate equivalences between metric and imperial units including pounds and pints Know approximate equivalences between inches and centimetres Extra Problem Solving End of Term Assessment: Remember It 4	4.9 Use place value or adjusting to subtract numbers mentally 4.21 Halve decimal and whole numbers Deliberate Practice: Past and Present Deliberate Practice: Past and Present/Retrievelt
	F			Easter Break	4



Term 5. W/c	KPI DÆ 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
15/04/2024 W T	8 ~	Fractions: Calculating	Extra Problem Solving Convert a mixed number into an improper fraction Convert an improper fraction into a mixed number Add proper fractions denominator multiples within the whole	5.14 Multiply numbers mentally using known facts and place value 5.22 Compare and order fractions Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout
F M T 22/04/2024 W	19		Add proper fractions denominator multiples = mixed number answer Add mixed number and proper fraction, same denominator = mixed number answer Add mixed number and proper fraction, same denominator = mixed number answer (beyond whole)	5 CanDo21 6x6 5 5.14 Multiply numbers mentally using known facts and place value 5 5.22 Compare and order fractions Deliberate Practice: Past and Present
7 F	KPI 44	Fractions: Calculating	Add mixed numbeer and proper fraction, denominator multiples = mixed number answer Add mixed number and proper fraction, denominator multiples = mixed number answer (beyond whole) Extra Problem Solving Subtract proper fraction from mixed number, same denominator within the whole	Beliberate Practice: Past and Present/Retrievelt CanDo21 6x6 5 5.14 Multiply numbers mentally using known facts and place value
29/04/2024 W T	KPI 20 4F-3		Subtract proper fraction from mixed number, same denominator (across whole) Subtract proper fractions, denominator multiples within the whole Subtract proper fractions from mixed number, denominator multiples within the whole	5.22 Compare and order fractions Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout
06/05/2024 M T W T F		Fractions: Calculating	Subtract proper fractions from mixed number, denominator multiples (across whole) Bank Holiday Extra Problem Solving Multiply unit fraction by a whole number Multiply non-unit fraction by a whole number	S CanDo21 6x7 S Deliberate Practice: Past and Present/Retrievelt CanDo21 6x7 CanDo21 6x7
13/05/2024 W T F		Fractions: Calculating	Multiply mixed number by a whole number Multiply mixed number by a whole number (beyond whole) Extra Problem Solving Extra Problem Solving End of Term Assessment: Remember It 5	5.19 Divide numbers mentally using known facts and place value 5.24 Solve problems: Percentage and decimal equivalents Deliberate Practice: Past and Present Deliberate Practice: Past and Present/KPI Workout CanDo21 6x8
20/05/2024 M T W T F		See Term 6	For the academic year 2023-2024 see week 1 of Term 6 for manageable steps Half Term	Bonds of 8



Term 6.	W/c	KPI	DÆ 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
20/05/2024		M N		Measurement: Area and	Extra Problem Solving Make connections between arrays and calculating the area of rectangles	dFacts	5.19 Divide numbers mentally using known facts and place value 5.24 Solve problems: Percentage and decimal equivalents
			3-2	Volume (In 2023-2024 to be taught in the last	Calculate the area of rectangles (not squares)	slate	Deliberate Practice: Past and Present
20,03,202		T 👱	50		Calculate the area of squares	se Re	Deliberate Practice: Past and Present/KPI Workout
		F		week of term 5)	Find an estimate for the area of shapes that are not rectangles	SxTat	CanDo21 6x8
		M			Tind an estimate for the volume of a 3D shape	\$	5.7 Add numbers with more than 4 digits using efficient methods
		T			This direction is the vector of departure.	dFac	5.13 Multiply numbers mentally using factors or partitioning
03/06/202				Measurement: Area and	Extra Problem Solvina Extra Problem Solvina	elate	Deliberate Practice: Past and Present
,,		T		Volume	Extra Problem Solving Extra Problem Solving	9e 8	Deliberate Practice: Past and Present/Retrievelt
		F			Extra Problem Solving	6xTa1	CanDo21 6x9
		M			lidentify reflex anales	C)	5.7 Add numbers with more than 4 digits using efficient methods
		T			know angles are measured in degrees	dFac	5.13 Multiply numbers mentally using factors or partitioning
10/06/202				Geometry: Properties of	Estimate acute, obtuse and reflex angles	elate	Deliberate Practice: Past and Present
	_	T		snapes	Use a protractor to measure acute angles	ble R	Deliberate Practice: Past and Present/KPI Workout
		F 🖁	-		Use a protractor to measure obtuse angles	7xĪa	CanDo21 7x7
		w 🚡	5G-1		Use a protractor to measure reflex angles	cts	5.7 Add numbers with more than 4 digits using efficient methods
	-	T			Use a protractor to draw acute angles	edfa	5.13 Multiply numbers mentally using factors or partitioning
17/06/202	24 V	w			Use a protractor to draw obtuse angles	Relati	Deliberate Practice: Past and Present
		T			Use a protractor to draw reflex angles	p e	Deliberate Practice: Past and Present/Retrievelt
					Identify and find angles at a point	7xTo	CanDo21 7x8
	٨	M			Identify and find angles at a point on a straight line	scts	5.10 Subtract numbers with more than 4 digits using efficient methods
	Γ.	T		Coometry: Properties of	Use the properties of rectangles to find missing lengths and angles	edFc	5.18 Divide numbers mentally using factors or partitioning
24/06/202	24 W	W		Geometry: Properties of	Know the difference between a regular and an irregular polygon	Relat	Deliberate Practice: Past and Present
		T		Shapes	Extra Problem Solving	able	Deliberate Practice: Past and Present/KPI Workout
		F			Extra Problem Solving	7×IC	CanDo21 7x8
	٨	I 4			Convert from seconds to minutes	acts	5.10 Subtract numbers with more than 4 digits using efficient methods
					Convert from minutes to hours	led Fc	5.18 Divide numbers mentally using factors or partitioning
01/07/202	24 W	W E		Measurement: Time	ement: Time Convert from hours to days	Relat	Deliberate Practice: Past and Present
	•	T 💆			Convert from days to weeks	appe	Deliberate Practice: Past and Present/Retrievelt
		F			Extra Problem Solving	7×Ic	CanDo21 7x9
	٨	M T			Read and interpret information given in a timetable	te dFacts	5.10 Subtract numbers with more than 4 digits using efficient methods
					Read and interpret information given in a table		5.18 Divide numbers mentally using factors or partitioning
08/07/202	24 V	W		Statistics	Read and interpret information given in a line graph	Rela	Deliberate Practice: Past and Present
	_	T			Extra Problem Solving	able	Deliberate Practice: Past and Present/KPI Workout
	- 1	F			End of Term Assessment: Remember It 6	7×Ic	CanDo21 7x9
	_	T F			Extra Problem Solving	acts	Ready to Progress Paper 4
				Extra Problem Solving	Extra Problem Solving	tedf	5.18 Divide numbers mentally using factors or partitioning
15/07/202	24 V				Extra Problem Solving	Relo	Deliberate Practice: Past and Present
					Extra Problem Solving	app	Deliberate Practice: Past and Present
	_				Extra Problem Solving	7×1	CanDo21 7x12
22/07/202	24 1	M			TDD		
, 0., 202		T			TDD		
					Summer Holiday		