Year 2

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 plave 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 sugggetsed that you use deliberate practice to secure sustainable progress - based on past an present learning. You may want to use CanDoMaths Deliberate Practcie and Retrieve It resources to support your planning for these sessions.
The bright pink fact column suggests a number fact to prioiritise 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 2 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	2NPV-1	Number and Place Value	TDD		
	F				Represent 2-digit numbers		Deliberate Practice: Past and Present
06/09/2021	M			Number and Place Value	Recognise the value of digits in 2-digit numbers	Bonds of 6	ArithmeCheck 1
	T				Partition 2-digit numbers in different ways		1.17 Know 1 less than numbers
	W				Read 2-digit numbers in words and write using numerals		Deliberate Practice: Past and Present
	T				Read 2-digit numbers in numerals and write in words		Deliberate Practice: Past and Present
	F				Identify 2-digit numbers on a number line		CanDoBonds 6 +/-
13/09/2021	M	KPI 2	1NPV-2, 2NPV-2	Number and Place Value	Represent 2-digit numbers on a number line	Bonds of 7	1.9 Know 1 more than numbers
	T				Estimate numbers on a number line		1.17 Know 1 less than numbers
	W				Compare any two 2-digit numbers using < > and =		Deliberate Practice: Past and Present
	T				Order 2-digit numbers with different tens from smallest to greatest		Deliberate Practice: Past and Present
	F				Order 2-digit numbers with the same tens from smallest to greatest		CanDoBonds 7 +
20/09/2021	M	KPI 4	(2AS-3)	Geometry: Properties of shapes	Order 2-digit numbers	Bonds of 7	1.16 Add 10 to a number
	T				Find 10 more than a given number		1.24 Subtract 10 from a number
	W				Find 10 less than a given number		Deliberate Practice: Past and Present
	T				Identify and describe the properties of pentagons		Deliberate Practice: Past and Present
	F				Identify and describe the properties of hexagons		CanDoBonds 7 +/-
27/09/2021	M	KPI 6	2G-1	Geometry: Properties of shapes	Identify and describe the properties of octagons	Bonds of 8	1.16 Add 10 to a number
	T				Identify symmetry properties of 2-D shapes using vertical lines		1.24 Subtract 10 from a number
	W				Identify and describe the properties of 3-D shapes including the number of vertices		Deliberate Practice: Past and Present
	T				Identify and describe the properties of 3-D shapes including the number of edges		Deliberate Practice: Past and Present
	F				Identify and describe the properties of 3-D shapes including the number of faces		CanDoBonds 8 +
04/10/2021	M	KPI 3, 5, 7	3AS-3	Addition and Subtraction: Addition	Show that addition is commutative	Bonds of 8	1.15 Use number facts to calculate others
	T				Recall and use addition facts of two single digits bridging 10		1.23 Subtract a single digit number from a teens number
	W				Recall and use addition facts of single digit doubles		Deliberate Practice: Past and Present
	T				Use addition facts of 10 to derive facts of 100		Deliberate Practice: Past and Present
	F				Add ones to 2-digit numbers using number facts where the tens don't change		CanDoBonds 8 +/-
11/10/2021	M		AS-3, 4	Addition and Subtraction: Addition	Add ones to 2-digit numbers using bridging	Bonds of 9	1.15 Use number facts to calculate others
	T				Add ones to 2-digit numbers by rounding to ten then compensating		1.23 Subtract a single digit number from a teens number
	W				Add multiples of ten to 2-digit numbers using number facts		Deliberate Practice: Past and Present
	T				Add two 2-digit numbers by counting on in tens then 1s		Deliberate Practice: Past and Present
	F				Add two 2-digit numbers using partitioning and recombining (No regrouping)		CanDoBonds 9 +
18/10/2021	M		2NF-1	Addition and Subtraction: Addition	Add two 2-digit numbers using partitioning and recombining	Bonds of 9	1.8 Order numbers and position them on a number line
	T				Add two 2-digit numbers by rounding to the nearest ten then compensating		1.8 Order numbers and position them on a number line
	W				Add two 2-digit numbers choosing an efficient strategy		Deliberate Practice: Past and Present
	T				Add three single digit numbers		Deliberate Practice: Past and Present
	F				*End of Term Assessment: Remember It 1*		CanDoBonds 9 +/-
Half Term							

Year 2 Term 2

Term 2. 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
01/11/2021	M	KPI 8, 9	2NF-1 2AS-2 3AS-3	Addition and Subtraction: Subtraction	Remember This?	Bonds of 10	2.5 Add multiples of 10 to a 2-digit nunber
	T				Understand why subtraction is not commutative		2.3 Partition a 2-digit number in different ways
	W				Recall subtraction facts of two single digits within 10		Deliberate Practice: Past and Present
	T				Recall subtraction facts of 2-digit numbers (20 or less) subtract a single digit not bridging 10		Deliberate Practice: Past and Present
	F				Recall subtraction facts of 2-digit numbers (20 or less) subtract a single digit bridging 10		CanDoBonds 10 +
08/11/2021	M			Addition and Subtraction: Subtraction	Use subtraction facts of 10 to subtract multiples of ten from 100	Bonds of 10	2.5 Add multiples of 10 to a 2-digit nunber
	T				Subtract ones from 2-digit numbers using number facts where the tens don't change		2.3 Partition a 2-digit number in different ways
	W				Subtract ones from 2-digit numbers using bridging		Deliberate Practice: Past and Present
	T				Subtract ones from 2-digit numbers by rounding to ten then compensating		Deliberate Practice: Past and Present
	F				Subtract multiples of ten from 2-digit numbers using number facts		CanDoBonds 10 +/-
15/11/2021	M			Addition and Subtraction: Subtraction	Subtract two 2-digit numbers by counting back in tens then 1 s	Bonds of 10	2.5 Add multiples of 10 to a 2-digit nunber
	T				Subtract two 2-digit numbers by rounding to the nearest ten then compensating		2.3 Partition a 2-digit number in different ways
	W				Subtract by finding the difference between two numbers - counting on		Deliberate Practice: Past and Present
	T				Derive addition and subtraction facts using inverse operations		Deliberate Practice: Past and Present
	F				Extra Problem Solving		CanDoBonds 10 +/-
22/11/2021	M			Geometry: Properties of Shapes	Identify and describe the properties of cylinders	Bonds of 20	2.6 Add a single digit number to a 2-digit number using known facts
	T				Identify and describe the properties of cones		2.12 Subtract single digit number from a 2-digit number using known facts
	W				Identify and describe 2-D shapes on the surface of 3-D shapes		Deliberate Practice: Past and Present
	T				Compare and sort 3-D shapes and explain how they are similar or different		Deliberate Practice: Past and Present
	F				Compare and sort 2-D shapes and explain how they are similar or different		CanDoBonds 20 +
29/11/2021	M	KPI 10, 11, 12	2MD-1, 2 4MD-2	Multiplication and Division	Count in steps of 3 from zero	Bonds of 20	2.6 Add a single digit number to a 2-digit number using known facts
	T				Show and use the connection between multiplication and repeated addition		2.12 Subtract single digit number from a 2-digit number using known facts
	W				Create multiplication statements to describe and solve equal grouping problems		Deliberate Practice: Past and Present
	T				Use arrays to solve multiplication problems		Deliberate Practice: Past and Present
	F				Show and use the commutativity of multiplication		CanDoBonds 20 +/-
06/12/2021	M			Multiplication and Division	Create division statements to describe and solve grouping problems	Bonds of 15	2.6 Add a single digit number to a 2-digit number using known facts
	T				Create division statements to describe sharing and solve problems		2.12 Subtract single digit number from a 2-digit number using known facts
	W				Show that division is not commutative		Deliberate Practice: Past and Present
	T				Extra Problem Solving		Deliberate Practice: Past and Present
	F				Use mathematical language to describe position		CanDoBonds 15 +
13/12/2021	M	KPI 13		Geometry: Position and direction	Use mathematical language to describe direction of a turn, including meaning of clockwise and anti-clockwise	Bonds of 15	2.11 Subtract multiples of 10 from a 2-digit number
	T				Understand and use the language of right angles to describe the size of turn		2.11 Subtract multiples of 10 from a 2-digit number
	W				Interpret and devise instructions for following a simple route		Deliberate Practice: Past and Present
	T				Order combinations of mathematical objects in patterns and sequences		Deliberate Practice: Past and Present
	F				*End of Term Assessment: Remember It 2*		CanDoBonds 15 +/-
Christmas break							

Year 2 Term 3

Term 3. 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
04/01/2021	M	KPI 14, 15, 24	2MD-1, 2 3NF-2	Multiplication and Division: Multiplication Tables			
	T				TDD	2 x table facts	2.11 Subtract multiples of 10 from a 2-digit number
	W				Build the 2x table and count in steps of 2 from zero		Deliberate Practice: Past and Present
	T				Recall and use multiplication facts for the 2 times table		Deliberate Practice: Past and Present
	F				Recall and use division facts for the 2 times table		CanDo Tables 2x4
11/01/2021	M			Multiplication and Division: Multiplication Tables	Recognise and use odd and even numbers	2 x table facts	2.7 Use rounding to add near multiples of ten
	T				Build the 10x table and count in steps of 10 from zero		2.15 Use rounding to subtract near multiples of ten
	W				Recall and use multiplication facts for the 10 times table		Deliberate Practice: Past and Present
	T				Recall and use division facts for the 10 times table		Deliberate Practice: Past and Present
	F				Build the 5x table and count in steps of 5 from zero		CanDo Tables 2x6
18/01/2021	M			Multiplication and Division: Multiplication Tables	Recall and use multiplication facts for the 5 times table	2 x table facts	2.7 Use rounding to add near multiples of ten
	T				Recall and use division facts for the 5 times table		2.15 Use rounding to subtract near multiples of ten
	W				Use factor, factor, product relationship to derive multplication and division statements		Deliberate Practice: Past and Present
	T				Extra Problem Solving		Deliberate Practice: Past and Present
	F				Extra Problem Solving		CanDo Tables 2x8
25/01/2021	M	KPI 16	(3NPV-4)	Measurement: Length and Mass	Remember This?	2 x table facts	2.7 Use rounding to add near multiples of ten
	T				Read scales in divisions of ones and twos,		2.15 Use rounding to subtract near multiples of ten
	W				Read scales in divisions of fives and tens		Deliberate Practice: Past and Present
	T				Measure the mass of objects (kg)		Deliberate Practice: Past and Present
	F				Measure the mass of objects (g)		CanDo Tables 2x7
01/02/2021	M	KPI 17		Measurement: Length and Mass	Estimate the mass of objects	2 x table facts	2.2 Compare and order numbers to 100
	T				Compare the mass of objects using >, < and =		2.20 Recognise odd and even numbers
	W				Order the mass of objects		Deliberate Practice: Past and Present
	T				Measure lengths (m)		Deliberate Practice: Past and Present
	F				Measure lengths (cm)		CanDo Tables 2x9
08/02/2021	M			Measurement: Length and Mass	Estimate lengths	2 x table facts	2.2 Compare and order numbers to 100
	T				Compare lengths using >, < and =		2.20 Recognise odd and even numbers
	W				Order lengths		Deliberate Practice: Past and Present
	T				Measure heights (cm)		Deliberate Practice: Past and Present
	F				Estimate heights		CanDo Tables 2x12
08/02/2021	M			Measurement: Length and Mass	Compare heights using >, < and =	2 x table facts	2.2 Compare and order numbers to 100
	T				Extra Problem Solving		2.20 Recognise odd and even numbers
	W				Extra Problem Solving		Deliberate Practice: Past and Present
	T				Extra Problem Solving		Deliberate Practice: Past and Present
	F				*End of Term Assessment: Remember It 3*		CanDo Tables 2x12
Half Term							

Year 2 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 18	3F-1	Fractions	Recognise one third as one of three equal parts of a shape and use fraction notation	10 x table facts	2.14 Partition the second number to subtract tens then ones
	T				Find 1/3 of objects		2.19 Double Numbers
	W				Find 1/3 of an amount		Deliberate Practice: Past and Present
	T				Recognise two quarters as two of four equal parts, or two of one quarter of a shape and use fraction notation		Deliberate Practice: Past and Present
	F				Find 2/4 of objects		CanDo Tables 6 x 10
07/03/2022	M	KPI 19	3F-1	Fractions	Find 2/4 of an amount	10 x table facts	2.14 Partition the second number to subtract tens then ones
	T				Recognise that a half is equivalent to two quarters		2.19 Double Numbers
	W				Recognise three quarters as three of four equal parts, or three of one quarter of a shape and use fraction notation		Deliberate Practice: Past and Present
	T				Find 3/4 of objects		Deliberate Practice: Past and Present
	F				Find 3/4 of an amount		CanDo Tables 7 x 10
14/03/2022	M	KPI 20		Measurement: Time	Extra Problem Solving	10 x table facts	2.14 Partition the second number to subtract tens then ones
	T				Tell the time using quarter past the hour on an analogue clock		2.19 Double Numbers
	W				Tell the time using quarter to the hour on an analogue clock		Deliberate Practice: Past and Present
	T				Draw the hands on a clock to show quarter past/to the hour on an analogue clock		Deliberate Practice: Past and Present
	F				Know and use the fact that there are 60 minutes in 1 hour		CanDo Tables 8 x 10
21/03/2022	M			Measurement: Time	Tell the time to five minute intervals past the hour on an analogue clock	10 x table facts	2.9 Partition the second number to add tens then ones
	T				Draw the hands on a clock to show five minute intervals past the hour on an analogue clock		2.22 Halve numbers
	W				Tell the time to five minute intervals to the hour on an analogue clock		Deliberate Practice: Past and Present
	T				Draw the hands on a clock to show five minute intervals to the hour on an analogue clock		Deliberate Practice: Past and Present
	F				Order or sequence intervals of time, incldluing the fact that there are 24 hours in one day		CanDo Tables 9 x 10
28/03/2022	M	KPI 21, 22		Measurement: Money	Combine £1, £2, £5 and £10 use the symbol for pounds (£)	5 x table facts	2.9 Partition the second number to add tens then ones
	T				Find the sum of different amounts of pounds		2.22 Halve numbers
	W				Combine 1p, 2p and 5p coins to make different totals		Deliberate Practice: Past and Present
	T				Combine 10p, 20p and 50p coins to make different totals		Deliberate Practice: Past and Present
	F				Find the sum of different amounts of pence		CanDo Tables 3 x 5
04/04/2022	M			Measurement: Money	Find different combinations of coins that equal the same amounts of money	5 x table facts	2.9 Partition the second number to add tens then ones
	T				Calculate change from 50p		2.22 Halve numbers
	W				Calculate change from £1		Deliberate Practice: Past and Present
	T				Extra Problem Solving		Deliberate Practice: Past and Present
	F				*End of Term Assessment: Remember It 4*		CanDo Tables 4 x 5
Easter Break							

Year 2 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	KPI 23	(2MD-1)	Statistics	Interpret a table	5 x table facts	2.10 Use known facts to 10 to derive other facts
	T				Construct a tally chart		2.21 Solve multiplication problems
	W				Interpret a pictogram where the symbol represents a single item		Deliberate Practice: Past and Present
	T				Construct a pictogram where the symbol represents a single item		Deliberate Practice: Past and Present
	F				Interpret a pictogram where the symbol represents 2 items		CanDo Tables 5 x 5
02/05/2022	M			Statistics	Bank Holiday	5 x table facts	
	T				Construct a pictogram where the symbol represents 2 items		2.21 Solve multiplication problems
	W				Interpret a pictogram where the symbol represents 5 or 10 items		Deliberate Practice: Past and Present
	T				Construct a pictogram where the symbol represents 5 or 10 items		Deliberate Practice: Past and Present
	F				Interpret a block diagram		CanDo Tables 6 x 5
09/05/2022	M			Statistics	Construct a block diagram	5 x table facts	2.10 Use known facts to 10 to derive other facts
	T				Extra Problem Solving		2.21 Solve multiplication problems
	W				Extra Problem Solving		Deliberate Practice: Past and Present
	T				Extra Problem Solving		Deliberate Practice: Past and Present
	F				Extra Problem Solving		CanDo Tables 7 x 5
16/05/2022	M	KPI 17		Measurement: Capacity and Temperature	Measure capacity using litres	5 x table facts	2.13 Find the difference between two numbers
	T				Measure capacity using millilitres		2.23 Use sharing to solve division problems
	W				Estimate capacity using litres		Deliberate Practice: Past and Present
	T				Estimate capacity using millilitres		Deliberate Practice: Past and Present
	F				Compare capacity, > and <		CanDo Tables 8 x 5
23/05/2022	M			Measurement: Capacity and Temperature	Order capacities	5 x table facts	2.13 Find the difference between two numbers
	T				Measure temperature		2.23 Use sharing to solve division problems
	W				Extra Problem Solving		Deliberate Practice: Past and Present
	T				Extra Problem Solving		Deliberate Practice: Past and Present
	F				*End of Term Assessment: Remember It 5*		CanDo Tables 9 x 5
Half Term							

Year 2 Term 6

Term 6. W/c		KPI	DfE RTP	Maths Lessons: Securing learning Moving on Up		Fact Check	Maths on Track: Deliberate Practice *Suggested focus on securing the essentials and number fact fluency*
06/06/2022	M	KPI 1, 2, 3	2NPV-1, 2	Place Value	Read, write, compare and order 2-digit numbers	2 x table facts	2.13 Find the difference between two numbers
	T						2.23 Use sharing to solve division problems
	W				Find 10 more or less of a 2-digit number		Deliberate Practice: Past and Present
	T						Deliberate Practice: Past and Present
	F						CanDo Tables 2x3
13/06/2022	M	KPI 3, 9	2NF-1	Addition and Subtraction	Recall and use addition and subtraction facts to 10 and know that addition is commutative	2 x table facts	2.4 Use known facts to 10 to derive other facts
	T						2.24 Use grouping to solve divison problems
	W						Deliberate Practice: Past and Present
	T						Deliberate Practice: Past and Present
	F						CanDo Tables 2x5
20/06/2022	M	KPI 2	2AS-3, 4	Addition and Subtraction	Add two 2-digit numbers	2 x table facts	2.4 Use known facts to 10 to derive other facts
	T						2.24 Use grouping to solve divison problems
	W						Deliberate Practice: Past and Present
	T						Deliberate Practice: Past and Present
	F						CanDo Tables 2x11
27/06/2022	M	KPI 8	2AS-3, 4	Addition and Subtraction	Subtract two 2-digit numbers	5 x table facts	2.4 Use known facts to 10 to derive other facts
	T						2.24 Use grouping to solve divison problems
	W						Deliberate Practice: Past and Present
	T						Deliberate Practice: Past and Present
	F						CanDo Tables 5 x 11
04/07/2022	M	KPI 6, 20, 21, 22	2G-1	Geometry and Measurement	Identify and describe the properties of 2-D and 3-D shapes, including the number of edges, vertices and faces	5 x table facts	2.1 Explain about tens and ones in 2-digit numbers
	T						2.9 Partition and recombine to add
	W				Tell the time to quarter to/past and 5 minute intervals		Deliberate Practice: Past and Present
	T						Deliberate Practice: Past and Present
	F				Calculate change and combine coins to make amounts		CanDo Tables 5 x 12
11/07/2022	M	KPI 10, 12, 16, 14, 15, 18, 19	3NPV-4 3NF-2	Multiplication and Division	Understand how multiplication and divison can be represented and know that multiplication is commutative	10 x table facts	2.1 Explain about tens and ones in 2-digit numbers
	T				Know and use multiplication and division facts for 2, 5 and 10 multiplication tables		2.9 Partition and recombine to add
	W				Read scales in divisions of 1, 2, 5 and 10		Deliberate Practice: Past and Present
	T						Deliberate Practice: Past and Present
	F						CanDo Tables 10 x 11
18/07/2022	M		2MD-1,2	Fractions	Recognise and find one half, one third and one quarter	10 x table facts	2.1 Explain about tens and ones in 2-digit numbers
	T						2.9 Partition and recombine to add
	W						Deliberate Practice: Past and Present
	T				TDD		
	F				TDD		
Summer Holiday							