## Year 5

## Termly Plans Academic Year 2023-2024




## 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 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 |  | 흧 | 亯 |  | Maths Lessons: Intelligent Practice Lesson by Lesson Plan <br> Resources for planning included in Gold and All Access Pass | U | Maths on Track: Deliberate Practice <br> Resources for Monday, Tuesday and Friday included in All Access Pass and Use It or Lose It |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 01/09/2022 | F | $\stackrel{N}{\text { N }}$ |  |  | TDD |  |  |
| 04/09/2023 | M |  |  | Number and Place Value | Represent 5-digit numbers | 年\| | Ready to Progress Paper 1 |
|  | T |  |  |  | Recognise the value of digits in 5 -digit numbers |  | Ready to Progress Paper 2 |
|  | W |  |  |  | Read 5 -digit numbers in words and write using numerals including zero as a place holder |  | Deliberate Practice: Past and Present |
|  | T |  |  |  | Read 5-digit numbers in numerals and write in words, including zero as a place holder |  | Deliberate Practice: Past and Present/KPI Workout |
|  | F |  |  |  | Identify and represent 5 -digit numbers on a number line |  | CanDoTables 6x7 |
| 11/09/2023 | M |  |  | Number and Place Value | Compare 5-digit numbers | - | 4.3 Round numbers to the nearest 10,100 or 1000 |
|  | T |  |  |  | Represent numbers up to one million |  | 4.3 Round numbers to the nearest 10,100 or 1000 |
|  | W |  |  |  | Recognise the value of digits in numbers up to one million |  | Deliberate Practice: Past and Present |
|  | T |  |  |  | Read 6 -digit numbers in words and write using numerals including zero as a place holder |  | 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 |
| 18/09/2023 | M | $\stackrel{\text { - }}{\frac{\text { a }}{2}}$ |  | Number and Place Value | Identify and represent 6 -digit numbers on a number line |  | 4.5 Use number facts to add |
|  | T |  |  |  | Compare 6 -digit numbers |  | 4.9 Use number facts to subtract |
|  | W |  |  |  | Order numbers up to one million |  | Deliberate Practice: Past and Present |
|  | T |  |  |  | Round any 5 -digit number to the nearest 10000 |  | Deliberate Practice: Past and Present/KPI Workout |
|  | F |  |  |  | Round any 6 -digit number to the nearest 100000 |  | CanDotables 7x8 |
| 25/09/2023 | M | $\frac{n}{\frac{n}{2}}$ |  | Decimals | Count forwards and backwards in whole number steps including through zero |  | 4.2 Order decimal numbers and posiiton them on a number line |
|  | T |  |  |  | Understand and use negative numbers in context, including temperatures below $0^{\circ} \mathrm{C}$ |  | 4.2 Order decimal numbers and posiiton them on a number line |
|  | W |  |  |  | Extra Problem Solving |  | 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 |  | Deliberate Practice: Past and Present/Retrievelt |
|  | F |  |  |  | Read a number with three decimal places |  | CanDoTables 8x6 |
| 02/10/2023 | M |  |  | Decimals | Represent decimal numbers with up to 3 decimal places |  | 4.4 Round decimals with 1 decimal place to the nearest whole number |
|  | T |  |  |  | Write decimal equivalents of any number of thousandths |  | 4.4 Round decimals with 1 decimal place to the nearest whole number |
|  | W |  |  |  | Identify decimal numbers, with up to 3 decimal places, on a number line |  | Deliberate Practice: Past and Present |
|  | T |  |  |  | Position decimal numbers, with up to 3 decimal places, on a number line |  | Deliberate Practice: Past and Present/KPI Workout |
|  | F |  |  |  | Compare a set of numbers written to three decimal places |  | CanDoTables $8 \times 8$ |
| 09/10/2023 | M | $\begin{aligned} & \bar{\lambda} \\ & \text { ̀ } \\ & \text { n } \end{aligned}$ |  | Decimals | Order decimal numbers with 3 decimal places |  | 4.8 Choose appropriate written or mental methods to add 4-digit numbers |
|  | T |  |  | Compare numbers with a mixed number of decimal places | 4.8 Choose appropriate written or mental methods to add 4-digit numbers |  |
|  | W |  |  | Order numbers with a mixed number of decimal places | Deliberate Practice: Past and Present |  |
|  | T |  |  | Round numbers with two decimal places to one decimal place | Deliberate Practice: Past and Present/Retrievelt |  |
|  | F |  |  | Round numbers with two decimal places to the nearest whole number | CanDoTables 12x6 |  |
| 16/10/2023 | M |  |  |  | Geometry: Properties of Shapes | Extra Problem Solving | $\begin{array}{\|l\|l} \frac{n}{0} \\ \frac{0}{0} \\ \frac{8}{8} \\ \frac{1}{x} \end{array}$ | 4.12 Choose appropriate written or mental methods to subtract numbers |
|  | T |  |  |  |  | Identify cubes from nets |  | 4.12 Choose appropriate written or mental methods to subtract numbers |
|  | W |  |  |  |  | Identify cuboids from nets |  | Deliberate Practice: Past and Present |
|  | T |  |  |  |  | Extra Problem Solving |  | Deliberate Practice: Past and Present/KPI Workout |
|  | F |  |  | End of Term Assessment: Remember It 1 |  | CanDoTables 12x7 |  |
| Half Term |  |  |  |  |  |  |  |


| Read Roman numerals to $1000(\mathrm{M})$ |
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| 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 | c ${ }^{\text {¢ }}$ | 容 |  | Maths Lessons: Intelligent Practice Lesson by Lesson Plan <br> Resources for planning included in Gold and All Access Pass |  | Maths on Track: Deliberate Practice <br> Resources for Monday, Tuesday and Friday included in All Access Pass and Use It or Lose It |
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| 30/10/2023 | 立 |  | Addition and Subtraction | Add two whole numbers choosing an efficient mental strategy | $\begin{array}{\|l\|l} \frac{2}{0} \\ \frac{0}{0} \\ \frac{0}{x} \\ \frac{a}{x} \end{array}$ | 4.18 Double and halve numbers |
|  |  |  |  | Subtract two whole numbers choosing an efficient mental strategy |  | 4.18 Double and halve numbers |
|  |  |  |  | Use column addilion for two numbers with more than 4 digits when regrouping is required in multiple columns |  | Deliberate Practice: Past and Present |
|  |  |  |  | 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 |
|  |  |  |  | Use column addition for numbers with 3 decimal places when regrouping is required |  | CanDoTables 12x8 |
| 06/11/2023 |  |  | Addition and Subtraction | 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 |
|  |  |  |  | Use column subtraction for numbers with 3 decimal places when exchanging is required |  | 4.19 Use place value and known facts to multiply mentally |
|  |  |  |  | Use column subtraction for numbers with 1,2 or 3 decimal places when exchanging is required |  | Deliberate Practice: Past and Present |
|  |  |  |  | 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 |
| 13/11/2023 | $\frac{\infty}{2}$ |  | Multiplication and Division: Powers of 10 | Extra Problem Solving |  | 4.23 Use place value and known facts to divide mentally |
|  |  |  |  | Multiply a whole number by 10 |  | 4.23 Use place value and known facts to divide mentally |
|  |  |  |  | Multiply a whole number by 100 |  | Deliberate Practice: Past and Present |
|  |  |  |  | Multiply a whole number by 1000 |  | Deliberate Practice: Past and Present/KPI Workout |
|  |  |  |  | Multiply a decimal by 10 |  | CanDoTables 12x12 |
| 20/11/2023 |  |  | Multiplication and Division: Powers of 10 | Multiply a decimal by 100 | $\begin{array}{\|l\|} \hline \frac{n}{0} \\ \frac{0}{0} \\ \frac{0}{2} \\ \frac{0}{c} \\ \frac{0}{o} \\ \frac{0}{0} \\ \frac{0}{6} \\ \hline \end{array}$ | 4.21 Multiply 3 -digit numbers by 1 -digit numbers using efficient methods |
|  |  |  |  | Multiply a decimal by 1000 |  | 4.21 Multiply 3 -digit numbers by 1 -digit numbers using efficient methods |
|  |  |  |  | Divide a whole number by 10 |  | Deliberate Practice: Past and Present |
|  |  |  |  | Divide a whole number by 100 |  | Deliberate Practice: Past and Present/Retrievelt |
|  |  |  |  | Divide a whole number by 1000 |  | CanDo21 3x3 |
| 27/11/2023 |  |  | Multiplication and Division: Powers of 10 | Divide a decimal by 10 |  | 4.24 Divide 3 -digit numbers by 1 -digit numbers using efficient methods |
|  |  |  |  | Divide a decimal by 100 |  | 4.24 Divide 3 -digit numbers by 1 -digit numbers using efficient methods |
|  |  |  |  | Extra Problem Solving |  | Deliberate Practice: Past and Present |
|  |  |  |  | Extra Problem Solving |  | Deliberate Practice: Past and Present/KPI Workout |
|  |  |  |  | Extra Problem Solving |  | CanDo21 3x4 |
| 04/12/2023 | M | $\sum_{i n}^{N}$ | Multiplication and Division: Properties of Number | Find prime numbers up to 20 | $\begin{array}{\|l\|} \hline \frac{u}{b} \\ \frac{0}{0} \\ \frac{0}{2} \\ \frac{0}{c} \\ \frac{0}{0} \\ \frac{0}{0} \\ \hline \end{array}$ | 5.2 Compare and order numbers up to 1,000,000 |
|  | T |  |  | Find prime and composite numbers up to 20 |  | 5.4 Round numbers to the nearest $10,100,1000,10,000$ and 100,000 |
|  | W |  |  | Express a given number as the product of prime factors |  | Deliberate Practice: Past and Present |
|  | T |  |  | Know how to test if a number up to 100 is prime |  | Deliberate Practice: Past and Present/Retrievelt |
|  | F |  |  | Find the common factors of two numbers |  | CanDo21 3x6 |
| 11/12/2023 | M |  | Multiplication and Division: Properties of Number | Find multiples of a given number |  | 5.2 Compare and order numbers up to 1,000,000 |
|  | T |  |  | Find square numbers and use the notation for squared |  | 5.4 Round numbers to the nearest $10,100,1000,10,000$ and 100,000 |
|  | W |  |  | Find cube numbers and use the notation for cubed |  | Deliberate Practice: Past and Present |
|  | T |  |  | Extra Problem Solving |  | Deliberate Practice: Past and Present/KPI Workout |
|  | F |  |  | End of Term Assessment: Remember it 2 |  | CanDo21 3x7 |

## Year 5 Term 3




## Year 5 Term 5



|  | Maths on Track: Deliberate Practice <br> Resources for Monday, Tuesday and Friday included in All Access Pass and Use It or Lose It |
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| $\begin{array}{\|l\|} \hline 0 \\ \hline \frac{0}{0} \\ \frac{0}{0} \\ \frac{0}{0} \\ \frac{0}{2} \\ \frac{0}{2} \\ \frac{0}{0} \\ \frac{0}{0} \\ \hline \end{array}$ | 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 |
|  | CanDo21 6x6 |
|  | 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/Retrievelt |
|  | CanDo21 6x6 |
|  | 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 |
|  | CanDo21 6x7 |
|  |  |
|  | 5.24 Solve problems: Percentage and decimal equivalents |
|  | Deliberate Practice: Past and Present |
|  | Deliberate Practice: Past and Present/Retrievelt |
|  | CanDo21 6x7 |
|  | 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 |
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Half Term

## Year 5 Term 6



