



Year 6

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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Year 6 Term 1

| 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 | | Fact Check | Maths on Track: Deliberate Practice Resources for Monday, Tuesday and Friday included in All Access Pass and Use It or Lose It |
|------------|-----|----------|---|---|------------------------|--|
| 01/09/2023 | F | | | TDD | | |
| 04/09/2023 | M | | Number and Place Value | Represent 7-digit numbers | 8xTable Related Facts | Ready to Progress Paper 1 |
| | T | | | Recognise the value of digits in 7-digit numbers | | Ready to Progress Paper 2 |
| | W | | | Read 7-digit numbers in words and write using numerals including zero as a place holder | | Deliberate Practice: Past and Present |
| | T | | | Read 7-digit numbers in numerals and write in words, including zero as a place holder | | Deliberate Practice: Past and Present/KPI Workout |
| 11/09/2023 | F | | Decimals | Identify and represent 7-digit numbers on a number line | 8xTable Related Facts | CanDo21 8x9 |
| | M | | | Compare numbers up to 10,000,000 | | 5.3 Compare and order decimal numbers |
| | T | KPI 5 | | Order numbers up to 10,000,000 | | 5.3 Compare and order decimal numbers |
| | W | | | Round whole numbers to different degrees of accuracy | | Deliberate Practice: Past and Present |
| 18/09/2023 | T | | Decimals | Understand and use negative numbers when working in context, such as temperature | 8xTable Related Facts | Deliberate Practice: Past and Present/Retrieval |
| | F | | | Calculate intervals across zero | | CanDo21 8x9 |
| | M | | | Identify the value of digits in decimal numbers | | 5.7 Add numbers with more than 4 digit using efficient methods |
| | T | KPI 2 | | Extra Problem Solving | | 5.7 Add numbers with more than 4 digit using efficient methods |
| 25/09/2023 | W | | Multiplication and Division | Multiply decimals (1d.p.) by a 1-digit number | 8xTable Related Facts | Deliberate Practice: Past and Present |
| | T | | | Multiply decimals (2d.p.) by a 1-digit number | | Deliberate Practice: Past and Present/KPI Workout |
| | F | | | Extra Problem Solving | | CanDo21 9x9 |
| | M | | | Find common multiples of two numbers | | 5.5 Round decimal numbers |
| 02/10/2023 | T | | Multiplication and Division | Find common factors of two numbers | 12xTable Related Facts | 5.5 Round decimal numbers |
| | W | | | Identify prime numbers | | Deliberate Practice: Past and Present |
| | T | | | Multiply a four-digit number by a two-digit number using long multiplication | | Deliberate Practice: Past and Present/Retrieval |
| | F | | | Extra Problem Solving | | CanDo21Plus 12x3 |
| 09/10/2023 | M | | Multiplication and Division | Divide a three-digit number by a two-digit number using a formal written method with no remainder | 12xTable Related Facts | 5.10 Subtract numbers with more than 4 digit using efficient methods |
| | T | | | Divide a three-digit number by a two-digit number using a formal written method with a whole number remainder | | 5.10 Subtract numbers with more than 4 digit using efficient methods |
| | W | KPI 3, 4 | | Divide a three-digit number by a two-digit number using a formal written method with a remainder expressed as a fraction | | Deliberate Practice: Past and Present |
| | T | | | Divide a three-digit number by a two-digit number using a formal written method with a remainder rounding to two decimal places | | Deliberate Practice: Past and Present/KPI Workout |
| 16/10/2023 | F | | Geometry: Position and Direction | Divide a four-digit number by a two-digit number using a formal written method with no remainder | 12xTable Related Facts | CanDo21Plus 12x4 |
| | M | | | Divide a four-digit number by a two-digit number using a formal written method with a whole number remainder | | 5.1 Solve problems with negative numbers |
| | T | | | Divide a four-digit number by a two-digit number using a formal written method with a remainder expressed as a fraction | | 5.1 Solve problems with negative numbers |
| | W | KPI 6, 7 | | Divide a four-digit number by a two-digit number using a formal written method with a remainder rounding to two decimal places | | Deliberate Practice: Past and Present |
| | T | | Geometry: Position and Direction | Extra Problem Solving | 12xTable Related Facts | Deliberate Practice: Past and Present/Retrieval |
| | F | | | Use coordinates to describe the position of a point in all four quadrants | | CanDo21Plus 12x6 |
| | M | | | Use coordinates to plot the position of a point in any of the four quadrants | | 5.4 Round numbers of the nearest 10, 100, 1000, 10,000 and 100,000 |
| | T | | | Draw and translate simple shapes | | 5.4 Round numbers of the nearest 10, 100, 1000, 10,000 and 100,000 |
| | W | | Geometry: Position and Direction | Carry out a reflection using one of the axes as a mirror line | 12xTable Related Facts | Deliberate Practice: Past and Present |
| | T | | | Extra Problem Solving | | Deliberate Practice: Past and Present/KPI Workout |
| | F | | | End of Term Assessment: Remember It 1 | | CanDo21Plus 12x6 |
| | M | | | | | |

Half Term

| |
|---------------------------|
| Multiply decimals by 10 |
| Multiply decimals by 100 |
| Multiply decimals by 1000 |
| Divide decimals by 10 |
| Divide decimals by 100 |

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.



Year 6 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 | | Fact Check | Maths on Track: Deliberate Practice Resources for Monday, Tuesday and Friday included in All Access Pass and Use It or Lose It | |
|-----------------|---|------------------------|--|---|--|------------------------|---|--|
| | | | | | | | | |
| 30/10/2023 | M | KPI 8, 9 6F-1, 2, 3 | Fractions, Decimals and Percentages | Use common factors to simplify fractions | | 12xTable Related Facts | 5.8 Add decimal numbers using efficient written or mental methods | |
| | T | | | Use common multiples to find equivalent fractions | | | 5.8 Add decimal numbers using efficient written or mental methods | |
| | W | | | Compare proper fractions | | | Deliberate Practice: Past and Present | |
| | T | | | Compare fractions, including fractions > 1 | | | Deliberate Practice: Past and Present/KPI Workout | |
| | F | | | Order proper fractions | | | CanDo21Plus 12x7 | |
| 06/11/2023 | M | KPI 10 5F-3 | Fractions, Decimals and Percentages | Order fractions, including fractions > 1 | | 12xTable Related Facts | 5.11 Subtract decimal numbers using efficient written or mental methods | |
| | T | | | Calculate decimal equivalents of fifths, eighths and tenths | | | 5.11 Subtract decimal numbers using efficient written or mental methods | |
| | W | | | Know simple fractions and decimal equivalences for 10%, 20%, 25%, 50%, 75%, 100% | | | Deliberate Practice: Past and Present | |
| | T | | | Find equivalencies between simple fractions, decimals and percentages | | | Deliberate Practice: Past and Present/RetrieveIt | |
| | F | | | Extra Problem Solving | | | CanDo21Plus 12x7 | |
| 13/11/2023 | M | KPI 12 4G-2 | Geometry: Properties of Shapes (Angles) | Find missing angles where they meet at a point | | 12xTable Related Facts | 5.15 Multiply numbers using efficient written or mental methods | |
| | T | | | Find missing angles where they meet on a straight line | | | 5.15 Multiply numbers using efficient written or mental methods | |
| | W | | | Find missing angles where they are vertically opposite | | | Deliberate Practice: Past and Present | |
| | T | | | Find unknown angles in a triangle | | | Deliberate Practice: Past and Present/KPI Workout | |
| | F | | | Find unknown angles in an isosceles triangle when only one angle is known | | | CanDo21Plus 12x8 | |
| 20/11/2023 | M | KPI 11, 13 6G-1 | Geometry: Properties of Shapes (Angles) | Find unknown angles in a quadrilateral | | 12xTable Related Facts | 5.20 Divide numbers using efficient written or mental methods | |
| | T | | | Find unknown angles in regular polygons | | | 5.20 Divide numbers using efficient written or mental methods | |
| | W | | | Classify 2D shapes using given categories; e.g. number of sides, symmetry | | | Deliberate Practice: Past and Present | |
| | T | | | Draw 2-D shapes given angles | | | Deliberate Practice: Past and Present/RetrieveIt | |
| | F | | | Draw 2-D shapes given dimensions and/or angles | | | CanDo21Plus 12x8 | |
| 27/11/2023 | M | | Geometry: Properties of Shapes | Recognise and describe 3-D shapes | | 12xTable Related Facts | 5.23 Add and subtract fractions | |
| | T | | | Classify 3-D shapes including cylinders, cones and spheres | | | 5.23 Add and subtract fractions | |
| | W | | | Draw nets of 3-D shapes | | | Deliberate Practice: Past and Present | |
| | T | | | Construct diagrams of 3-D shapes on isometric paper | | | Deliberate Practice: Past and Present/KPI Workout | |
| | F | | | Know the names and relationships of the parts of a circle | | | CanDo21Plus 12x9 | |
| 04/12/2023 | M | | Addition, Subtraction, Multiplication and Division | Extra Problem Solving | | 12xTable Related Facts | CanDoSATs 1 Place value | |
| | T | | | Carry out calculations involving a mixture of addition and subtraction | | | CanDoSATs 1 Place value | |
| | W | | | Carry out calculations involving a mixture of multiplication and division | | | Deliberate Practice: Past and Present | |
| | T | | | Carry out calculations involving a mixture of multiplication and addition/subtraction | | | Deliberate Practice: Past and Present/RetrieveIt | |
| | F | | | Carry out calculations involving a mixture of division and addition/subtraction | | | CanDo21Plus 12x9 | |
| 11/12/2023 | M | | Addition, Subtraction, Multiplication and Division | Carry out calculations involving all four operations, including brackets | | 12xTable Related Facts | CanDoSATs 2 Round numbers | |
| | T | | | Carry out calculations involving a mixture of addition and/or subtraction and indices | | | CanDoSATs 2 Round numbers | |
| | W | | | Carry out calculations involving a mixture of multiplication and/or division and indices | | | Deliberate Practice: Past and Present | |
| | T | | | Extra Problem Solving | | | Deliberate Practice: Past and Present/KPI Workout | |
| | F | | | End of Term Assessment: Remember It 2 | | | CanDo21Plus 12x11 | |
| Christmas break | | | | | | | | |



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Year 6 Term 4

| Term 4. W/c | | KPI | 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 Suggested focus based on the CanDoSATs resource |
|--------------|---|------------|-------------|---|--|----------------|--|
| 19/02/2024 | M | KPI 18 | | Ratio and Proportion | Extra Problem Solving | CanDo21 6 x 7 | 11. Recognise and use equivalent fractions |
| | T | | | | Find 10%, 25%, 50% and 75% of an amount | | 11. Recognise and use equivalent fractions |
| | W | | | | Find simple percentages of an amount (multiples of 10% and 5%) | | 12. Recognise and use equivalencies between fractions, decimals and percentages |
| | T | | | | Find complex percentages of an amount (eg 17%, 28%, 63%) | | 12. Recognise and use equivalencies between fractions, decimals and percentages |
| | F | | | | Use percentages to make comparisons | | Address identified gaps / Practise solving routine and non-routine problems |
| 26/02/2024 | M | KPI 19 | 6 AS/MD-3 | Ratio and Proportion | Find the value of the parts, given the whole | CanDo21 6 x 8 | 13. Find simple fractions and percentages of a quantity |
| | T | | | | Find the value of the whole and parts, given one part | | 13. Find simple fractions and percentages of a quantity |
| | W | | | | Use scale factors to calculate dimensions in similar shapes | | 26. Shape Properties |
| | T | | | | Use scale drawings | | 26. Shape Properties |
| | F | | | | Extra Problem Solving | | Address identified gaps / Practise solving routine and non-routine problems |
| 04/03/2024 | M | KPI 20 | 5 NPV-5 | Measurement: Converting Units | Convert between metric units from the smaller unit to the larger unit | CanDo21 6 x 9 | Ready to Progress Paper 3 |
| | T | | | | Convert between metric units from the larger unit to the smaller unit | | 27. 3-D shapes and nets |
| | W | | | | Convert between units of time | | 28. Constructions |
| | T | | | | Convert between miles and km | | 28. Constructions |
| | F | | | | Recognise that shapes with the same areas can have different perimeters and vice versa | | Address identified gaps / Practise solving routine and non-routine problems |
| 11/03/2024 | M | KPI 21, 22 | 6 G-1 | Measurement: Area and Volume | Calculate the area of a parallelogram | CanDo21 7 x 8 | 16. Add and Subtract Decimals |
| | T | | | | Calculate the area of a triangle | | 16. Add and Subtract Decimals |
| | W | | | | Calculate the volume of cuboids, including cubes | | 17. Multiply 1-digit decimal number by single digit number |
| | T | | | | Extra Problem Solving | | 17. Multiply 1-digit decimal number by single digit number |
| | F | | | | Use simple formulae expressed in words (e.g. time needed to cook a chicken: allow 20 minutes plus 40 minutes per kilogram) | | Address identified gaps / Practise solving routine and non-routine problems |
| 18/03/2024 | M | KPI 23, 24 | 6 AS/MD-3,4 | Algebra | Know the basic rules of algebraic notation | CanDo21 7 x 9 | 14. Add and Subtract Fractions with same denominators including Mixed Numbers |
| | T | | | | Express missing number problems algebraically | | 14. Add and Subtract Fractions with same denominators including Mixed Numbers |
| | W | | | | Find combinations of two variables | | 15. Add and Subtract Fractions, denominators that are multiples of same number |
| | T | | | | Find pairs of numbers that satisfy an equation with two unknowns e.g. $a + b = 15$ | | 15. Add and Subtract Fractions, denominators that are multiples of same number |
| | F | | | | Generate a linear sequence from its description | | Address identified gaps / Practise solving routine and non-routine problems |
| 25/03/2024 | M | KPI 23, 24 | 6 AS/MD-3,4 | Algebra | Describe and find the next terms of a linear sequence | CanDo21 12 x 7 | 29. Angle facts |
| | T | | | | Find a missing term in a linear sequence | | 29. Angle facts |
| | W | | | | Describe a number pattern algebraically | | 31. Co-ordinates |
| | T | | | | End of Term Assessment: Remember It 4 | | 30. Reflections and Translations |
| | F | | | | | | |
| Easter Break | | | | | | | |



Year 6 Term 5

| Term 5. W/c | | KPI | 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 |
|-------------|---|-----|--|---|---|------------------------|---------------------------------------|
| 15/04/2024 | M | | | Statistics | Interpret line graphs | 12xTable Related facts | Deliberate Practice: Past and Present |
| | T | | Construct line graphs | | Deliberate Practice: Past and Present | | |
| | W | | Interpret pie charts | | Deliberate Practice: Past and Present | | |
| | T | | Construct a pie chart by measuring angles | | Deliberate Practice: Past and Present | | |
| | F | | Understand the meaning of 'average' and calculate the mean of a set of discrete data | | Address identified gaps / Practise solving routine and non-routine problems | | |
| 22/04/2024 | M | | | Targeted Revision | Interpret the mean of a set of discrete data | 9xTable Related facts | Deliberate Practice: Past and Present |
| | T | | Targeted Revision | | Deliberate Practice: Past and Present | | |
| | W | | Targeted Revision | | Deliberate Practice: Past and Present | | |
| | T | | Targeted Revision | | Deliberate Practice: Past and Present | | |
| | F | | Walking talking Mock | | Address identified gaps / Practise solving routine and non-routine problems | | |
| 29/04/2024 | M | | | Targeted Revision | Targeted Revision | 8xTable Related facts | Deliberate Practice: Past and Present |
| | T | | Targeted Revision | | Deliberate Practice: Past and Present | | |
| | W | | Targeted Revision | | Deliberate Practice: Past and Present | | |
| | T | | Targeted Revision | | Deliberate Practice: Past and Present | | |
| | F | | Walking talking Mock | | Address identified gaps / Practise solving routine and non-routine problems | | |
| 06/05/2024 | M | | | SATs | Bank Holiday | 7xTable Related facts | |
| | T | | Targeted Revision | | Deliberate Practice: Past and Present | | |
| | W | | Targeted Revision | | Deliberate Practice: Past and Present | | |
| | T | | Targeted Revision | | Deliberate Practice: Past and Present | | |
| | F | | Targeted Revision | | Extra Problem solving | | |
| 13/05/2024 | M | | | Problem Solving | SATs | 6xTable Related facts | Deliberate Practice: Past and Present |
| | T | | SATs | | Deliberate Practice: Past and Present | | |
| | W | | SATs | | Deliberate Practice: Past and Present | | |
| | T | | SATs | | Deliberate Practice: Past and Present | | |
| | F | | SATs | | Extra Problem solving | | |
| 20/05/2024 | M | | | See Term 6 | | | |
| | T | | For the academic year 2023-2024 see week 1 of Term 6 for learning focus | | | | |
| | W | | | | | | |
| | T | | | | | | |
| | F | | | | | | |
| Half Term | | | | | | | |



Year 6 Term 6

| Term 6. W/c | KPI | DIE RTP | Maths Lessons: Securing learning Moving on Up | | Fact Check | Maths on Track: Deliberate Practice Resources for Monday and Tuesday included in All Access Pass and Use It or Lose It |
|----------------|-----------------------|----------------------------|---|--|---------------|--|
| 20/05/2024 | M T W T F | KPI 1, 5 6NPV-2, 3 | Place Value (In 2023-2024 to be taught in the last week of term 5) | Read, write and order numbers up to 10,000,000 Calculate intervals across zero | CanDo21 7 x 7 | 6.1 Identify the value of each digit to 3dp 6.3 Compare and order decimals Deliberate Practice: Past and Present Deliberate Practice: Past and Present Address identified gaps / Practise solving routine and non-routine problems |
| 03/06/2024 | M T W T F | KPI 2, 3 5MD-3, 4 | Multiplication and Division | Multiply and divide numbers up to 4 digits by a 2-digit number choosing efficient methods and interpreting the remainders | CanDo21 7 x 8 | 6.1 Identify the value of each digit to 3dp 6.3 Compare and order decimals Deliberate Practice: Past and Present Deliberate Practice: Past and Present Address identified gaps / Practise solving routine and non-routine problems |
| 10/06/2024 | M T W T F | KPI 8, 9, 10 6F-1, 2, 3 | Fractions, Decimals and Percentages | Simplify, compare and order fractions, including fractions > 1 Know and use simple fraction, decimal and percentage equivalents | CanDo21 7 x 9 | 6.1 Identify the value of each digit to 3dp 6.3 Compare and order decimals Deliberate Practice: Past and Present Deliberate Practice: Past and Present Address identified gaps / Practise solving routine and non-routine problems |
| 17/06/2024 | M T W T F | KPI 14, 15, 18 4F-3 | Fractions, Decimals and Percentages | Add and subtract fractions with denominators that are not multiples of each other and mixed numbers Find percentages of an amount | CanDo21 8 x 8 | 6.13 Compare and order fractions 6.14 Recall and use equivalence between simple fractions and decimals Deliberate Practice: Past and Present Deliberate Practice: Past and Present Address identified gaps / Practise solving routine and non-routine problems |
| 24/06/2024 | M T W T F | KPI 6, 12 4G-1, 2 | Geometry | Describe and plot positions on a 2-D grid as coordinates in the four quadrants Know and use angle properties of straight lines, at a point and shapes | CanDo21 8 x 9 | 6.13 Compare and order fractions 6.14 Recall and use equivalence between simple fractions and decimals Deliberate Practice: Past and Present Deliberate Practice: Past and Present Address identified gaps / Practise solving routine and non-routine problems |
| 01/07/2024 | M T W T F | KPI 20, 21 5NPV-5, 6G-1 | Measurement | Convert between different units of metric measure Calculate the area of rectangles and triangles and volumes of cuboids | CanDo21 9 x 9 | 6.13 Compare and order fractions 6.14 Recall and use equivalence between simple fractions and decimals Deliberate Practice: Past and Present Deliberate Practice: Past and Present Address identified gaps / Practise solving routine and non-routine problems |
| 08/07/2024 | M T W T F | KPI 24 6AS/MD-4 | Algebra | Find possible values in missing number problems involving one or two unknowns | | Deliberate Practice: Past and Present Deliberate Practice: Past and Present Deliberate Practice: Past and Present Deliberate Practice: Past and Present Deliberate Practice: Past and Present |
| 15/07/2024 | M T W T F | | Extra Problem Solving | Extra Problem Solving Extra Problem Solving Extra Problem Solving Extra Problem Solving Extra Problem Solving | | Deliberate Practice: Past and Present Deliberate Practice: Past and Present Deliberate Practice: Past and Present Deliberate Practice: Past and Present Deliberate Practice: Past and Present |
| 22/07/2024 | M T | | | TDD TDD | | |
| Summer Holiday | | | | | | |