



St. Bede's Catholic Primary School



Maths Year 1 – Autumn Term 2022

Number and Place Value	Addition and Subtraction	Multiplication and Division	Measures	Geometry
<ul style="list-style-type: none">- Recite numbers in order from 0-100. Counting forwards and backwards from any given number.- Estimate a set of objects and counting objects up to 50.- Identify and represent numbers using objects and pictorial representations.- Read, write and order numbers 1-20.- Understand and use 0.- Recognising tens and ones within teen numbers e.g. $10 + 1 = 11$	<ul style="list-style-type: none">- Subsidise numbers to 6.- Identify one more and one less of any number up to 20.- Begin to know number bonds to 5, 6 and 7.- Use known bonds to 20 to solve subtraction sums.- Find missing numbers within number sentences e.g. $4 + \underline{\quad} = 5$- Solve simple word problems using number facts and concrete objects.	<ul style="list-style-type: none">- Find doubles to 5.	<ul style="list-style-type: none">- Compare, measure and begin to record lengths and heights, using standard and non-standard units.- Recognise and know the value of different coins.- Find different combinations of small amounts up to 20p.	<ul style="list-style-type: none">- Recognise, name and sort common 2-D shapes.- Describe position, direction and movement (whole, half, quarter and three quarter turns).



St. Bede's Catholic Primary School



Maths Year 1 – Spring Term 2023

Number and Place Value	Addition and Subtraction	Multiplication and Division	Fractions, Decimals and Percentages	Measures	Geometry
<ul style="list-style-type: none">- Locate 2-digit numbers on a bead string.- Compare numbers.- Count, read and write numbers to 100.- Estimate by grouping in 10s and 5s.- Begin to partition 2-digit numbers into tens and ones.- Identify one more or less of any given 2-digit number.- Count in multiples of 2, 5 and 10.- Count on and back in multiples of 10 from any 2-digit number.	<ul style="list-style-type: none">- Represent and use number bonds and related division facts within 20.- Solve missing number problems.- Use number facts to solve problems in number stories.- Know number bonds to 5, 6 and 7 and the related subtraction facts.- Add and subtract 1-digit and 2-digit numbers to 20.- Begin to know number bonds to 8 and 9.- Add by putting the largest number first.	<ul style="list-style-type: none">- Find doubles to 10.	<ul style="list-style-type: none">- Divide shapes into halves and quarters and recognising that these make up equal pieces of a whole.- Read $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{3}{4}$.	<ul style="list-style-type: none">- Measure and records lengths and heights using non-standard units.- Know the days of the week and months of the year.- Compare, describe and solve problems involving time.- Measure and begin to record time.- Sequence events in chronological order.- Begin to tell to the time to the hour and half past on digital and analogue clocks.	<ul style="list-style-type: none">- Recognise, name and sort common 3-D Shapes.

“Shine like a lantern in the presence of the Lord”

St. Bede's Catholic Primary School



Maths Year 1 – Summer Term 2023

Number and Place Value	Addition and Subtraction	Multiplication and Division	Fractions, Decimals and Percentages	Measures	Geometry	Statistics
<ul style="list-style-type: none"> - Compare and order 2-digit numbers and say a number between two numbers. - Say 1 or 10 more/less of any number up to 100. - Identify patterns on a 100-square. - Location number from 1-100 on a grid and beaded line. - Count in multiples of 2s to 20. - Count in multiples of 5 to 50. - Identify 10s and 1s in any 2-digit number. 	<ul style="list-style-type: none"> - Solve 1-step addition and subtraction problems using concrete objects or pictorials. - Find 10 more/less than any number up to 90. - Know pairs of number which make 9 and the related subtraction facts. - Bridge 10 when adding pairs of numbers. - Add 1-digit and 2-digit numbers to 20. - Subtract 1-digit and 2-digit numbers to 20. 	<ul style="list-style-type: none"> - Know doubles to 10 and find the related halves. - Begin to multiply by 2, 5 and 10 by counting in 2s, 5s and 10s. - Count in 2s, 5s and 10s to solve grouping problems. - Solve 1-step multiplication problems. 	<ul style="list-style-type: none"> - Recognise, find and name a quarter as one of four equal parts of a shape/object. - Recognise, find and name a half as one of two equal parts of a shape/object. - Begin to halve odd numbers to 10. 	<ul style="list-style-type: none"> - Compare, describe and solve practical problems. - Recognise and know the value of different coins and notes. - Recognise and use language relating to dates, including days of the week, weeks, months and years. 	<ul style="list-style-type: none"> - Identify and continue a repeating pattern of shapes. - Identify and describe the properties of common 2-D and 3-D shapes. 	<ul style="list-style-type: none"> - Begin to create, read and interpret a block graph. - Read and interpret a simple pictogram.

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Maths Year 2 – Autumn Term 2022

Number and Place Value	Addition and Subtraction	Multiplication and Division	Measures	Geometry	Statistics
<ul style="list-style-type: none"> - Count in steps of 2 and 5 from 0, and in tens from any number, forwards and backwards. - Compare and order number from 0-100, using $>$, $<$ and $=$ symbols. - Locate 1 and 2-digit numbers on a number line. - Begin to recognise the place value of each digit in a 2-digit number e.g. $45 = 40 + 5$, four 10s and five 1s. 	<ul style="list-style-type: none"> - Know all the pairs of numbers which make numbers up to 10. - Begin to understand the inverse relationship between addition and subtraction e.g. $4 + 5 = 9$ so, $9 - 4 = 5$ - Solve addition and subtraction problems using mental and written methods. - Recall and use number bond facts to 10 and 20. - Use numbers facts to solve related additions and subtractions e.g. $9 - 4 = 5$ so, $39 - 4 = 35$ - Begin to write words problem, relating known number bonds to context based problems. - Recognise and work out multiples of 10 bonds to 100, using number bonds to 10. - Recognise that addition is commutative. - Add and subtract 2-digit numbers mentally, using partitioning. - Solve addition and subtraction problems using concrete and pictorial representations. - Add and subtract 2-digit number by counting on. 	<ul style="list-style-type: none"> - Find doubles and near doubles of numbers up to 15. - Count in 2s, 5s and 10s from 0 to learn multiples of 2, 5 and 10. 	<ul style="list-style-type: none"> - Understand the need for a standard unit of measurement. - Begin to know whether to measure in cm or m. - Begin to estimate and measure in cm and m. - Combine amounts to make a value up to £1. - Find different combinations of coins that equal the same amount. 	<ul style="list-style-type: none"> - Identify and describe the properties of 2D shapes, including the number of sides and lines of symmetry. - Compare and sort 2D shapes. - Use mathematic vocabulary to describe position, direction and movement. 	<ul style="list-style-type: none"> - Sort objects using Venn diagrams and two-way Carroll diagrams.

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St. Bede's Catholic Primary School



Maths Year 2 – Spring Term 2023

Number and Place Value	Addition and Subtraction	Multiplication and Division	Fractions, Decimals and Percentages	Measures	Geometry	Statistics
<ul style="list-style-type: none">- Estimate a quantity less than 100.- Locate and place 2-digit numbers on a landmark line.- Recognise the place value of each digit in a 2-digit number.- Round 2-digit numbers to the nearest 10.	<ul style="list-style-type: none">- Use bonds to 10 and 20 to subtract from 10 and 20.- Solve missing number problems involving the inverse operation.- Add number using concrete objects and pictorial representations.- Add mentally two 2-digit numbers by counting in 10s and 1s.- Add and subtract ten in order to add or subtract 9 or 11 from any 2-digit number.- Use place value and number facts to solve problems.	<ul style="list-style-type: none">- Double numbers up to 15 and find the related halves.- Recognise odd and even numbers.- Begin to know the 2, 5 and 10 times table.- Arrange objects into arrays, writing the corresponding multiplication.- Begin to write divisions as multiplications with a missing number.- Understand the division as grouping.- Solve problems involving multiples of 2, 5 and 10 in practical contexts.	<ul style="list-style-type: none">- Understand mixed numbers and places halves on a number line.- Recognise, find, name and write $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{3}$, $\frac{2}{3}$ of a shape.- Count in steps of $\frac{1}{2}$ and $\frac{1}{4}$.	<ul style="list-style-type: none">- Find change from 10p and 20p, £10 and £20 by counting up in ones.- Tell and write the time quarter past/to the hour.- Know units of time: minutes, hours, days, weeks, months and years.- Know the relationship between seconds, minutes and hours.- Recognise and use symbols for pound (£) and pence (p).- Recognise and know the value of all coins and notes up to £20.- Find all possible amounts using three coins.	<ul style="list-style-type: none">- Identify and describe the properties of 3-D shapes (edges, vertices and faces.)- Identify 2-D shapes on the surface of 3-D shapes.- Compare and sort common 3-D shapes and everyday objects.- Order and arrange combinations of mathematical objects to create patterns.	<ul style="list-style-type: none">- Interpret and construct simple pictograms, tally chart, block diagrams and simple tables.



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Maths Year 2 – Summer Term 2023

Number and Place Value	Addition and Subtraction	Multiplication and Division	Fractions, Decimals and Percentages	Measures	Statistics	Number and Place Value
<ul style="list-style-type: none"> - Identify, represent and estimate numbers using different representations. - Compare and order number up to 100, using $>$, $<$ and $=$ signs. - Use place value and number facts to solve problems. - Count in steps of 3 from 0. Forwards and backwards. - Begin to notice patterns between 100 and 200. - Begin to recognise place value in 3-digit numbers. - Read and write number to at least 100 in numerals and words. 	<ul style="list-style-type: none"> - Recognise that addition is commutative. - Recognise and use the inverse relationship of addition and subtraction to check calculations and solve missing number problems. - Subtract 2-digit numbers mentally. - Solve addition and subtraction problems involving quantities and measure. - Subtract numbers using counting up on the number line. - Add and subtract 2-digit numbers mentally. 	<ul style="list-style-type: none"> - Recall and use multiplication facts for the 2, 5 and 10 times tables. - Solve multiplication and division problems using known multiplication facts. - Recognise that multiplication is commutative. - Begin to double and halve numbers that are less than 100. - Count in 3s, multiply and divide by 3 using arrays. - Understand that multiplication and division are inverse operations. 	<ul style="list-style-type: none"> - Find $\frac{1}{2}$, $\frac{1}{3}$ and $\frac{1}{4}$ of a set of objects or quantity. - Write simple fractions. - Recognise that $\frac{1}{2}$ and $\frac{2}{4}$ are equivalent. - Find a quarter of numbers up to 40 by halving twice. 	<ul style="list-style-type: none"> - Find change from 10p and 20p, £10 and £20 by counting up in ones. - Tell and write the time quarter past/to the hour. - Know units of time: minutes, hours, days, weeks, months and years. - Know the relationship between seconds, minutes and hours. - Recognise and use symbols for pound (£) and pence (p). - Recognise and know the value of all coins and notes up to £20. - Find all possible amounts using three coins. 	<ul style="list-style-type: none"> - Choose and use appropriate standard units to measure and estimate. - Solve simple addition and subtraction problems involving measurement. - Recognise and use symbols for pounds (£) and pence (p). - Compare and order lengths, mass and capacities and record the results using $>$, $<$ and $=$. - Tell and write the time to the nearest 5 minutes. Draw hands on a clock to show these times. - Compare and sequence time intervals.. 	<ul style="list-style-type: none"> - Ask and answer simple questions by interpreting and recording data in tables, bar charts and pictograms.



Maths Year 3 – Autumn Term 2022

Number and Place Value	Addition and Subtraction	Multiplication and Division	Fraction, Decimals and Percentages	Measure	Geometry
<ul style="list-style-type: none">- Read and write numbers up to 1000 in numbers and in words.- Recognise the place value of each digit in a 3-digit number (100s, 10s and 1s).	<ul style="list-style-type: none">- Recall multiple of 5 bonds to 100.- Use number bonds and patterns to add and subtract single digit numbers from a 2-digit number.- Add several numbers together, spotting doubles and bonds.- Add and subtract multiples of 10 and near multiples of 10 by counting on/back.- Work systematically and logical reasoning to find number pairs that total a 2-digit number.- Spot patterns to add and subtract pairs of 2-digit numbers.- Use knowledge of number bonds to add to the next multiple of 10 e.g. $57 + \underline{\quad} = 60$- Find pairs of number that total 100.	<ul style="list-style-type: none">- Recall doubles up to 20 and their related halves.- Double 2-digit numbers up to 50 and halve 2-digits numbers up to 100.- Recall multiplication and division facts for the 2, 3, 4, 5 and 10 times tables.- Understand that division is the inverse of multiplication.- Understand that a remainder is the left over amount after a division.- Recognise that multiplication is commutative.	<ul style="list-style-type: none">- Recognise, find and write unit and non-unit fractions with a denominator of 2, 3 and 4.- Understand fractions as a part of a whole.- Compare unit fraction.- Understand that fractions make up part of a whole.- Begin to see the relationship between finding fractions and divisions.-	<ul style="list-style-type: none">- Tell and write the time on the digital and analogue clock to the nearest 5 minutes, including roman numerals.- Know the number of days in each month, year and leap year.- Use place value to add and subtract amount of money.- Measure and compare length (ml/l)	<ul style="list-style-type: none">- Draw and make 3-D shapes.- Recognise and describe 3-D shapes based on their properties.



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Maths Year 3 – Spring Term 2023

Number and Place Value	Addition and Subtraction	Multiplication and Division	Fraction, Decimals and Percentages	Measure	Geometry
<ul style="list-style-type: none"> - Understand 2- and 2-digit numbers: find 1, 10 or 100 more or less from any given number. - Round numbers to the nearest 10 and 100. - Identify, represent and estimate numbers. - Multiple and divide by 10. - Count from 0 in steps of 10, 50 and 100. Find 10 or 100 more or less from any given number. - Compare and order numbers up to 1000 using > and < signs. 	<ul style="list-style-type: none"> - Find pairs with a total of 100. - Add 2-digit and 3-digit numbers mentally. - Subtract 2-digit numbers from 3-digit numbers. - Count up to find change from £5 and £10. - Solve simple addition and subtraction problems. - Begin to add 2-digit number using formal written methods. - Begin to use the inverse operation and estimation to check answers. 	<ul style="list-style-type: none"> - Understand the relationship between doubling and halving. - Recall multiplication and division facts for the 2, 3, 4, 5, and 10 times table. - Multiply a 2-digit by 4 by doubling twice. - Solve multiplication and division problems involving missing numbers. - Double numbers and find half of even numbers up to 100. - Multiply and divide numbers between 10 and 25 by 3, 4 and 5. - Begin to use the grid method to multiply a 2-digit by a 1-digit number. 	<ul style="list-style-type: none"> - Recognise, find and write unit and non-unit fractions. - Identify fractions on a number line from 0 to 1. - Find fraction of amounts. - Recognise and show equivalent fractions with small denominators. 	<ul style="list-style-type: none"> - Tell and write time to the nearest minute from an analogue clock, including roman numerals. - Calculate time intervals and compare duration of events. - Begin to measure the perimeter of simple 2-D shapes. - Know the number of seconds in a minute. 	<ul style="list-style-type: none"> - Identify and draw 2-D shapes, describing their properties. - Identify right angles and angles that are greater than or less than a 90 degrees. - Recognise that 2 right angles make a half turn, 3 make 1/4 of a turn and 4 make one whole turn.

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Maths Year 3 – Spring Term 2023

Number and Place Value	Addition and Subtraction	Multiplication and Division	Fraction, Decimals and Percentages	Measure	Geometry	Statistics
<ul style="list-style-type: none"> - Count from 0 in multiples of 4, 8, 10, 50 and 100: Find 10 or 100 more or less than any given number. - Compare and order numbers up to 1000. 	<ul style="list-style-type: none"> - Subtract a 2-digit or 3-digit numbers using place value. - Find change from £10 and begin to find change from £20. - Subtract numbers with up to 3 digits. - Estimate answers and use the inverse operation to check answers. - Use number facts to add and subtract 3-digit numbers mentally. - Choose an appropriate strategy to add and subtract 3-digit numbers. - Add numbers with up to 3 digit using column addition. 	<ul style="list-style-type: none"> - Understand the relationship between multiplication and division. - Recall multiplication and division facts for the 2, 3, 4, 5, 8 and 10 times table. - Multiply a 2-digit number by a 1-digit number using the grid method. - Solve missing number problems involving multiplication. - Solve positive integer problems. - Divide number beyond the range of known table facts by subtracting 10 times the divisor. 	<ul style="list-style-type: none"> - Add and subtract fractions with the same denominator. - Compare and order unit fractions and fractions with the same denominator. - Solve problems that involve fractions. - Recognise that tenths arise from dividing by 10. 	<ul style="list-style-type: none"> - Add and subtract amount of money and find change using £ and p. - Measure, compare, add and subtract lengths, mass and volume. - Measure the perimeter of simple 2-D shapes. - Read time to the nearest minute. - Tell and write the time from 12-hour and 24-hour clocks. 	<ul style="list-style-type: none"> - Recognise angles as a property of a shapes or description of a turn. - Identify horizontal and vertical lines and pairs of perpendicular and parallel lines. 	<ul style="list-style-type: none"> - Interpret and present data using bar charts, pictograms and tables. - Solve 1-step and 2-step questions using information presented in scaled bar charts, pictograms and tables.



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Maths Year 4 – Autumn Term 2022

Number and Place Value	Addition and Subtraction	Multiplication and Division	Fraction, Decimals and Percentages	Measure	Statistics
<ul style="list-style-type: none"> - Recognise the place value of each digit in a 4-digit number (1000s, 100s, 10s and 1s.) - Begin to place 4-digit numbers on number lines, rounding these to the nearest 10, 100 and 1000. 	<ul style="list-style-type: none"> - Know bonds to the next 100. - Use place value and number facts to add numbers with up to 4-digits. - Use counting up to subtract number with up to 3-digits. - Choose a method to subtract that is appropriate to the given calculation. - Solve addition and subtraction problems for numbers with up to 3-digits, within contexts, deciding on an appropriate method. - Use column addition to add. - Use expanded column subtraction to subtract. - Use logical thinking to spot patterns within numbers. 	<ul style="list-style-type: none"> - Multiply a 2-digit number by a 1-digit number using a formal or mental method. - Use table facts and commutative law to solve multiplication involving multiples of 10. - Recall multiplication and division facts for the 2, 5, 10, 3, 4, 8, 6 and 9 times table. - Multiply 2-digit and 3-digit numbers by a 1-digit number using a formal method. - Double and halve 3-digit numbers using partitioning. - Use place value and known facts to divide numbers above table facts. - Work systematically to predict patterns. 	<ul style="list-style-type: none"> - Find unit fractions of amounts. - Recognise and show equivalent fractions. - Count in fractions, expressing each fraction in its simplest form. - Recognise and write decimals and fraction equivalents of tenths and a $\frac{1}{2}$. - Find and recognise the effect of dividing a 1 or 2-digit number by 10. 	<ul style="list-style-type: none"> - Read, write and convert between analogue, and digital 12-hour clocks. - Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days. - Read scaled to the nearest 10g and draw a bar chart where one step represents 100. - Solve simple measures problems and convert between different units of measure – mm, cm, m; ml, l; g, kg. 	<ul style="list-style-type: none"> - Use mathematical reasoning to answer a question by collect, displaying and interpreting data in frequency tables and bar charts, choosing an appropriate scale.



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Maths Year 4 – Spring Term 2022

Number and Place Value	Addition and Subtraction	Multiplication and Division	Fraction, Decimals and Percentages	Measure	Geometry
<ul style="list-style-type: none"> - Count on and back in multiples of 6, 7, 9, 25 and 1000. - Place 4-digit numbers on a number line and round these to the nearest 10, 100 and 1000. - Explain what happens when numbers are multiplied and divided by 10. - Add amounts of money mentally using place value and number facts. 	<ul style="list-style-type: none"> - Add and subtract 1s, 10s or 100s from numbers with up to 4-digits. - Use counting up to subtract 3-digit and 4-digit numbers from multiples of 1000. - Use column subtraction to subtract 3-digit numbers. - Read, interpret and solve simple and 1-step addition and subtraction word problems. - Use column addition to add 4-digit numbers together. - Use column addition to add several 2-digit numbers. - Add and subtract numbers with up to 4-digit using columnar methods of addition and subtraction. 	<ul style="list-style-type: none"> - Recognise and use factor pairs. - Recall multiplication and division facts for all multiplication tables up to 12. - Use doubling and halving to multiply and divide by 4, 5 and 20. - Multiply 2-digit and 3-digit numbers by a 1-digit number using a formal written method. - Notice patterns and make predictions. - Use place value and known facts to divide numbers above table facts. 	<ul style="list-style-type: none"> - Recognise equivalent fractions. - Multiply and divide by 10 and 100. - Solve simple problems involving fractions. - Compare two 1-place decimals on a number line. - Round 1-place decimals to the nearest whole number. 	<ul style="list-style-type: none"> - Begin to convert between metric units of length. - Estimate, compare and calculate different measures. - Solve simple problems involving finding the perimeter of rectilinear shapes. - Read, write and convert time between analogue and digital 12- and 24-hour clocks. 	<ul style="list-style-type: none"> - Identify obtuse and acute angles. - Draw shapes with given properties. - Identify lines of symmetry in 2-D shapes.



St. Bede's Catholic Primary School



Maths Year 4 – Summer Term 2023

Number and Place Value	Addition and Subtraction	Multiplication and Division	Fraction, Decimals and Percentages	Measure	Geometry	Statistics
<ul style="list-style-type: none"> - Find 1, 10, 100 and 1000 more or less from any given number. - Count backwards through zero to include negative numbers. - Order and compare numbers beyond 1000. - Identify, represent and estimate numbers. - Solve number and practical problems with increasingly large numbers. - Read Roman numerals to 100. 	<ul style="list-style-type: none"> - Add and subtract with up to 4-digits using an appropriate method. - Use subtraction to find change of amounts. - Use the inverse operation to check answers to a calculation. - Use logical reasoning to create additions of 4-digit numbers to a given total. 	<ul style="list-style-type: none"> - Use place value and known facts to multiply 2- and 3-digit numbers by a 1-digit number. - Use written methods to multiply amount of number by a 1-digit number. - Estimate and use inverse operation to check answers to a calculation. - Multiply a 2- and 3-digit numbers by a 1-digit number using a formal written method. - Multiply 2-digit numbers by a 2-digit number using the grid method. - Use place value and known facts to divide larger numbers. - Use doubling and halving to multiply and divide mentally. 	<ul style="list-style-type: none"> - Use equivalent fractions to simplify and compare fractions. - Find non-unit fractions of amounts. - Recognise that tenths and hundredths arise when dividing by 10 and 100; multiply decimal numbers by 10 and 100, understanding that this involves a shift of digits on a place value grid. - Count up and down in tenths and hundredths. - Compare numbers with up to 2 decimal places. - Solve simple measure and money problems using fractions and decimals. - Add and subtract 0.1 and 0.01. 	<ul style="list-style-type: none"> - Convert between different metric units of measure. - Measure and calculate the perimeter of rectilinear shapes. - Solve problems involving money. - Find the area of rectilinear shapes. 	<ul style="list-style-type: none"> - Compare and classify geometric shapes based on their properties and sizes. - Describe positions on a 2-D grid as coordinates in the first quadrant. - Describe movements between positions and translations of a unit. 	<ul style="list-style-type: none"> - Interpret and present discrete and continuous data using bar charts and time graphs. - Solve comparison, sum and different problems using information present in bar charts, pictograms, tables and other graphs.

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Maths Year 5 – Autumn Term 2022

Number and Place Value	Addition and Subtraction	Multiplication and Division	Fraction, Decimals and Percentages	Measure	Geometry	Statistics
<ul style="list-style-type: none"> - Read and write numbers to at least 100 000. - Use place value to solve addition and subtraction problems with numbers to at least 100 000. - Order and compare numbers to at least 100 000. - Count forwards and backwards in steps of 10 from any number up to 100 000. - Round any number up to 100 000 to the nearest 10, 100 and 1000. 	<ul style="list-style-type: none"> - Add whole numbers with 4 digits using column addition. - Use place value and number facts to add and subtract numbers up to 4-digits. - Use the inverse operation to check answers. - Subtract whole numbers with 4-digit using column subtraction. - Begin to add and subtract large numbers mentally. - Use mathematical reasoning to work out a function. 	<ul style="list-style-type: none"> - Use mental strategies to multiply and divide by 4, 9, 20 and 25. - Solve multiplication and division problems using knowledge of factors, doubles, halves, and times tables. - Choose between mental and written methods to solve word problems involving multiplication and division. - Recognise divisibility rules. - Use mathematical reasoning to work out a function. - Use multiplication facts and place value to multiply and divide multiples of 10 and 100, including answers with 1 and 2 decimals places. 	<ul style="list-style-type: none"> - Add and subtract 0.1 to/from a number with 1 or 2 decimal places. - Compare and order fractions with the same denominator. - Identify, name and write equivalent fraction. - Write fractions in their simplest form. - Recognise and use tenths and hundredths, relating them to the decimal equivalents. - Read, write, order and compare number with up to 2 decimals places. 	<ul style="list-style-type: none"> - Convert between different units of metric measurement. - Convert times between the 12 and 24 hour clock. - Calculate time intervals and use timetables. - Begin to calculate the perimeter of rectilinear shapes. 	<ul style="list-style-type: none"> - Use a ruler to measure lines in cm and mm. - Known angles are measured in degrees. - Estimate and compare acute, obtuse and reflex angles. - Draw given angles and measure them in degrees. - Identify angles at a point on a straight line and half turn total 180° - Identify 90° and other multiples of 90°. 	<ul style="list-style-type: none"> - Compare, read and interpret information in timetables.



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Maths Year 5 – Spring Term 2023

Number and Place Value	Addition and Subtraction	Multiplication and Division	Fraction, Decimals and Percentages	Measure	Geometry	Statistics
<ul style="list-style-type: none"> - Count forwards and backwards in steps of 10 from any given number up to 1 000 000. - Read and write numbers to 1 000 000. - Order and compare numbers to 1 000 000. - Determine the value of each digit (up to 1 000 000) and use this to solve place value addition and subtractions. - Order and compare 6-digit numbers. - Find square numbers and square roots. 	<ul style="list-style-type: none"> - Add whole numbers and 1-place decimals using mental strategies. - Add 1- and 2- place decimal numbers using mental and written methods. - Count up to solve 2-digit minus 4-digit subtraction from near multiples of 1000. - Add and subtract large numbers mentally. - Solve –step and multi-step addition and subtraction problems mentally. - Using counting on and bonds to add to any 2-place decimal to find the next whole number. - Subtract amounts of money. - Use column addition to add more than two numbers together. 	<ul style="list-style-type: none"> - Multiply and divide numbers by 10 and 100 (including decimals). - Know and use the vocabulary of prime numbers, factors and composite numbers. - Recognise and use square numbers and their notation. - Choose an appropriate method to solve division and multiplication problems. - Use short division to divide a 3-digit number by a 1-digit number. - Use short multiplication to multiply a 3-digit number by a 1-digit number. 	<ul style="list-style-type: none"> - Add and subtract 0.1 or 0.01 to/from number with up to 2 decimal places. - Round decimal with 2-places to the nearest whole number and to 1 decimal place. - Solve problems involving decimals with up to 3 decimal places. - Find unit and non-unit fraction of 2 and 3-digit numbers. - Compare and order fractions. - Recognise mixed numbers and improper fraction and convert from one form to another. - Multiply proper fractions by whole numbers. 	<ul style="list-style-type: none"> - Convert between different units of metric measurement. - Add amounts of money using column addition. - Understand and use approximate equivalences between metric and imperial units. 	<ul style="list-style-type: none"> - Recognise that angles in a triangle add up to 180°. - Describe the properties of triangles. - Use mathematical reasoning to identify the properties of different polygons. - Identify and describe different types of quadrilaterals and their properties. - Identify and define a polygon. 	<ul style="list-style-type: none"> - Sort using a Venn diagram or a table. - Begin to read and interpret line graph, including reading intermediate values.



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Maths Year 5 – Summer Term 2022

Number and Place Value	Addition and Subtraction	Multiplication and Division	Fraction, Decimals and Percentages	Measure	Geometry	Statistics
<ul style="list-style-type: none"> - Interpret negative numbers in context: count forwards and backwards with positive and negative whole numbers, including through 0. - Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000. - Solve number problems and practical problems that involve all of the above. - Read roman numerals to 1000. 	<ul style="list-style-type: none"> - Use rounding to check answers to calculations. - Subtract 2-place decimal numbers (including money) using counting up and mental methods. - Solve addition and subtraction problems, including multi-step and word problems. - Add whole number with more than 4 digits using column addition. - Subtract whole numbers with more than 4 digits using column subtraction. 	<ul style="list-style-type: none"> - Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000. - Solve problems involving multiplication and division using knowledge of factors, multiples, squares and cubes. - Solve problems involving addition, subtraction, multiplication and division. - Divide numbers up to 4-digits by a 1-digit number using short division, including remainders. - Use short multiplication to multiply 4-digit numbers by 1-digit numbers. - Multiply numbers up to 4-digits by a 1- or 2-digit number using long multiplication. - Identify factors of 2-digit numbers. - Recognise and use cube numbers and their notation. - Solve problems involving multiplication and division. - Use multiplication to check division. 	<ul style="list-style-type: none"> - Add and subtract 0.1, 0.01 and 0.001 to/from numbers with up to 3 decimal places. - Write equivalent fractions and use equivalence to reduce fractions to their simplest form. - Compare and order fractions whose denominator are all multiples of the same number. - Read, write, order and compare numbers with up to 3 decimal places. - Read and write decimal numbers as fractions. - Solve problems involving numbers with up to 3 decimal places. - Multiply proper fractions by whole numbers. - Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents. - Add and subtract fraction with the same denominators or denominators that are multiples of the same whole number. - Write percentages as a fraction. - Solve problems which require knowing percentage and fraction equivalents. 	<ul style="list-style-type: none"> - Measure and calculate the perimeter of rectilinear shapes. - Solve problems involving time. - Calculate and compare the areas of rectangles. - Estimate the area of irregular shapes. - Estimate and find volume and capacity. - Use all four operations to solve problems involving measure. 	<ul style="list-style-type: none"> - Draw given angles and straight lines. - Identify 3-D shapes from 2-D representations. - Use properties of rectangles to find missing lengths and angles. - Identify, describe and represent the position of shape follow reflection and translation. Read and mark coordinates in the first two quadrants. 	<ul style="list-style-type: none"> - Draw line graphs. - Estimate values on line graphs.

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St. Bede's Catholic Primary School



Maths Year 6 – Autumn Term 2022

Number and Place Value	Addition and Subtraction	Multiplication and Division	Fraction, Decimals and Percentages	Measure	Geometry	Algebra
<ul style="list-style-type: none"> - Read, write, order and compare numbers up to 1 000 000 and determine the value of each digit. - Use negative number in context and calculate intervals across zero. 	<ul style="list-style-type: none"> - Choose and use appropriate method to add and subtract whole numbers with up to 5 digits. - Use column addition and subtraction to add and subtract decimal numbers with 1, 2 or 3 decimal places. - Use knowledge of the order of operations to carry out calculations involving the four operations. - Use knowledge of the order of operations and brackets to solve multi-step calculations. 	<ul style="list-style-type: none"> - Multiply a 4-digit number by a 2-digit number using long multiplication. - Multiply a 4-digit number by a 1-digit number using short multiplication. - Use knowledge of the order of operations to carry out multi-step calculations involving the four operations. - Divide 4-digit number by numbers up to 12 using short division. 	<ul style="list-style-type: none"> - Compare and order fraction, including fractions that are greater than 1. - Use common factors to simplify fractions. - Use common multiples to express fractions in the same denominator. - Use equivalence to add and subtract fractions. - Convert between improper fractions to mixed numbers. - Find non-unit fractions of amounts. - Express a remainder after division as a fraction. - Solve problems involving percentages. - Multiply fractions less than 1 by whole numbers. - Divide proper fractions by whole numbers. 	<ul style="list-style-type: none"> - Solve problems involving the calculation and conversion of units of measure. - Use, read, write and convert between standard units. - Begin to convert between miles and kilometres. - Recognise that shapes with the same area can have different perimeters. - Recognise when it is possible to use formulae for area and volume of shapes. - Calculate the areas of parallelograms and triangles. - Calculate, estimate and compare volume of cubes and cuboids. 	<ul style="list-style-type: none"> - Recognise, describe and build simple 3D shapes, including making nets. 	<ul style="list-style-type: none"> - Use letters to represent missing numbers in number sentences. - Find pairs of number that satisfy an equation with two unknowns e.g. $a + b + 32 = 39$ - Enumerate possibilities of combinations of two variable e.g. $a + b = 19$ and $a \times b = 14$.



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Maths Year 6 – Spring Term 2023

Number and Place Value	Addition and Subtraction	Multiplication and Division	Fraction, Decimals and Percentages	Measure	Geometry	Statistics	Algebra
<ul style="list-style-type: none"> - Round any whole number. - Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit. - Solve number and practical problems. 	<ul style="list-style-type: none"> - Choose an appropriate method to add and subtract numbers with up to 7 digits. - Use estimation to check calculations. - Solve problems involving addition, subtraction, multiplication and division. 	<ul style="list-style-type: none"> - Multiple multi-digits numbers by a 1- or 2-digit number using long multiplication. - Use estimation to check the answer of calculations. - Use short multiplication to multiply 4-digit numbers by a 1-digit number. - Use short division to divide a 4-digit number by a 1-digit number. - Identify common factor, multiples and prime numbers. - Divide numbers up to 4-digits by a 2-digit number. 	<ul style="list-style-type: none"> - Recall, use and calculate equivalences between decimals, percentages and fractions. - Compare and order numbers with 1, 2 and 3 decimal places. - Multiply pairs of unit and non-unit fractions. - Use mental strategies to multiply decimals by 1-digit numbers. - Multiply 1- and 2-digit numbers by decimal numbers. - Use long division to solve answers with up to 2 decimal places. - Solve problems involving ratios. 	<ul style="list-style-type: none"> - Solve problems involving converting between units of measurement. - Covert between miles and kilometres. 	<ul style="list-style-type: none"> - Draw 2-D shapes using given dimensions and angles. - Name parts of circles. - Compare and classify geometric shapes based on their size and properties. - Use knowledge of angles to find missing angles. - Describe position on the full coordinate grid - Draw, reflect and translate simple shapes on the coordinates plane. 	<ul style="list-style-type: none"> - Calculate the mean as an average. - Read, interpret and construct pie charts and line graphs and use these to solve problems. 	<ul style="list-style-type: none"> - Use simple formulae. - Continue, generate and describe linear number sequences.



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Maths Year 6 – Summer Term 2023

Number and Place Value	Addition and Subtraction	Multiplication and Division	Fraction, Decimals and Percentages	Measure	Geometry	Statistics	Algebra
<ul style="list-style-type: none"> - Solve number and practical problems involving place value in large numbers, rounding, comparing and negative numbers. - Use negative numbers in contexts and calculate intervals across zero. - Round any whole number. - Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit. 	<ul style="list-style-type: none"> - Add and subtract whole numbers with more than 4 digits using column addition and subtraction. - Add and subtract large numbers mentally. - Solve addition and subtract multi-step problems within contexts. - Solve problems involving addition, subtraction, multiplication and division. - Use knowledge of the order of operations, including brackets. - Perform mental calculations which include mixed operations, larger numbers and the inverse operation to solve missing number problems. 	<ul style="list-style-type: none"> - Multiply and divide mentally, including multiples of 10, 100 and 100 to solve problems. - Multiple multi-digits numbers by a 2-digit number using long multiplication - Multiply numbers up to 4 digits by any number up to 12 using short division. - Divide numbers up to 4 digit by a 2-digit number using long division. - Know all multiplication and division facts up to 12x12. - Use systematic approaches to solve problems involving multiplication and division. 	<ul style="list-style-type: none"> - Identify the value of each digit in a number with 3 decimal places. - Multiply and divide decimals by 10, 100 and 1000. - Add and subtract decimal numbers using written and mental addition. - Use common factors and multiples to express fractions in the same denominator. - Use knowledge of equivalence to compare and order fractions. - Add and subtract fraction with different denominators. - Solve problems involving percentages. - Divide proper fractions by whole numbers. - Multiply simple pairs of proper fractions, writing the answer in the simplest form. - Solve problems involving the relative sizes of two quantities where missing values can be found by using multiplication and division facts. 	<ul style="list-style-type: none"> - Solve problems using standard units; read scales with accuracy. - Calculate time intervals using the 12 and 24-hour clocks. - Measure areas and perimeters. Calculate the area of rectangles, parallelograms and triangles. - Calculate, estimate and compare volumes of cubes and cuboids. 	<ul style="list-style-type: none"> - Compare and classify geometric shapes based on their properties. - Classify angles as acute, right, obtuse or reflex. - Identify and name parts of a circle. - Identify coordinates on a full coordinates grid. 	<ul style="list-style-type: none"> - Calculate the mean as an average. - Read, interpret and construct tables, bar charts, pictograms, pie charts and line graphs and use these to solve problems. 	<ul style="list-style-type: none"> - Express missing number problems algebraically.

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