

| KIRFs (Key Instant Recall Facts) | | |
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| Autumn | Spring | Summer |
| <ul style="list-style-type: none"> I can count in multiples of 1000 and 25 I know multiplication and division facts for the 6 times table fluently I can recall multiplication and division facts for the 2's,3's, 4's, 5's and 10's times table fluently | <ul style="list-style-type: none"> I know multiplication and division facts for the 9 and 11 times tables I can recognise decimal equivalents of fractions I can recall multiplication and division facts for the 2's,3's, 4's, 5's, 6's and 10's times table fluently | <ul style="list-style-type: none"> I know multiplication and division facts for the 7 and 8 times table I can multiply and divide single-digit numbers by 10 and 100 I can recall multiplication and division facts for the 2's,3's, 4's, 5's, 6's, 9's, 10's and 11's times table fluently |

Quick overall focus curriculum map:

| Strand | Number of weeks | Autumn | Spring | Summer |
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| Place value | 1 | To know numbers up to 4-digits | To know numbers up to 5-digits | Round, compare, order place value to 10,000 |
| Adding and subtracting | 2 | Written method for adding and subtracting up to 4-digit numbers | Understanding the relationship between adding and subtracting | Strategies to check answers |
| Multiplying and dividing | 2 | To know times tables (up to 12 x 12) and division facts | To multiply a 3-digit number by a 1-digit number | To multiply and add solving problems |
| Fractions | 3 | Equivalent fractions, adding and subtracting | Knowing tenths and hundredths of decimals | Converting fractions into decimals and vice versa |
| Measurements | 1 | Metric conversions | To read and tell time on a digital and analogue clock | To solve area and perimeter of rectangles and squares |
| Geometry | 1 | Basic 2D and 3D shape. | Naming triangles and quadrilaterals | Identify different angles |
| Position and direction | 1 | Grids and coordinates | Completing a polygon and giving new coordinates | Translations of a polygon on a grid |
| Statistics | 1 | Bar charts | Pictograms | Line Graphs |
| Daily Maths | daily | Time, shapes, reading tables and graphs, times tables, multiplying and dividing by powers of 10, roman numerals | | |

| | Autumn | Spring | Summer |
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| Number and place value (1 week) | <p>(PM unit 1) Focus 4-digit numbers</p> <ul style="list-style-type: none"> • Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) • Identify, represent and estimate numbers up to a thousand using different representations • Count in multiples of 6, 9, 25 and 1000 • Find 1000 more or less than a given number • Order and compare numbers beyond 1000 • Round any number to the nearest 10 or 100 • Solve number and practical problems that involve place value and rounding and with increasingly large positive numbers up to 4-digits | <p>(PM unit 1 and 2) Focus on 5-digit numbers</p> <ul style="list-style-type: none"> • Recognise the place value of each digit in a five-digit number (ten thousands, thousands, hundreds, tens, and ones) • Round any number to the nearest 10, 100 or 1000 • Solve number and practical problems that involve place value and rounding and with increasingly large positive numbers up to 5-digitd • Identify, represent and estimate numbers using different representations up to ten thousand. • Count in multiples of 6, 7, 9, 25 and 1000 • Find 1000 more or less than a given number • Order and compare numbers up to 10 000 | <p>(PM unit 2 and 3) Focus rounding</p> <ul style="list-style-type: none"> • Round any number to the nearest 10, 100, 1000 or 10 000 • Solve number and practical problems that involve place value and rounding and with increasingly large positive numbers • Find 1000 more or less than a given number • Count backwards through zero to include negative numbers • Count in multiples of 6, 7, 9, 25 and 1000 • Recognise the place value of each digit in a five-digit number (ten thousands, thousands, hundreds, tens, and ones) • Order and compare numbers up to and beyond 10 000 • Identify, represent and estimate numbers using different representations |
| CC | <p>History – dates or periods of time Geography- distances on maps Science- distances and diameters of planets, temperature – negative numbers History – roman numbers</p> | | |

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| <p>Addition and subtraction (2 weeks)</p> | <p>(PM unit 3) Focus on formal written method for adding and subtracting</p> <ul style="list-style-type: none"> • Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate • Estimate and use inverse operations to check answers to a calculation • Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why | <p>(PM unit 3) Focus understanding the relationship between adding and subtracting</p> <ul style="list-style-type: none"> • Use inverse operations to check answers to a calculation • Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate • Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why | <p>(PM unit 3) Focus using strategies to check answer is correct</p> <ul style="list-style-type: none"> • Use both mental and written methods with increasingly large numbers to aid fluency • Estimate and use inverse operations to check answers to a calculation • Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate • Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why |
| <p>CC</p> | <p>DT- Food and calories in a meal Science – Height of plants growth Geography – distance between countries, height of mountains</p> | | |

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| <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Multiplication and Division (2/3 weeks)</p> | <p>(PM unit 5+7) Focus times tables up to 12 x 12</p> <ul style="list-style-type: none"> • Recall multiplication and division facts for multiplication tables up to 12 × 12 • Use place value, known and derived facts to multiply and divide mentally, including multiplying by 0 and 1; dividing by 1; multiplying together three numbers <p>Multiply two-digit and three-digit numbers by a one-digit number using formal written layout</p> <ul style="list-style-type: none"> • solve problems involving multiplying and adding, to multiply two-digit numbers by one digit, | <p>(PM unit 5+7) Focus on multiplying 3 digits by 1 digit using the written formal method</p> <ul style="list-style-type: none"> • Multiply two-digit and three-digit numbers by a one-digit number using formal written layout • recall multiplication and division facts for multiplication tables up to 12 × 12 • Recognise and use factor pairs and commutativity in mental calculations • Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers • Solve problems involving multiplying and adding, to multiply two-digit numbers by one digit, | <p>(PM unit 5+7) Focus on solving problems that involve multiplying</p> <ul style="list-style-type: none"> • Solve problems involving multiplying and adding, to multiply three-digit numbers by one digit, • recall multiplication and division facts for multiplication tables up to 12 × 12 • use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers • recognise and use factor pairs and commutativity in mental calculations • Multiply two-digit and three-digit numbers by a one-digit number using formal written layout |
| <p>CC</p> | | | |

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| <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Fractions, percentages and decimals (3 weeks)</p> | <p>(PM unit 8-10)- Focus on equivalent fractions, add and subtracting fractions</p> <ul style="list-style-type: none"> • Recognise and show, using diagrams, families of common equivalent fractions • Identify, name and write equivalent fractions of a given fraction, including tenths and hundredths • Add and subtract fractions with the same denominator • Recognise and write decimal equivalents of any number of tenths or hundredths • Count using simple fractions forwards and backwards and represent this on a number line • Solve problems to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number | <p>(PM unit 10-12) Focus tenths and hundredths</p> <ul style="list-style-type: none"> • Find the effect of dividing a one or two-digit number by 10 and 100, identifying the value of the digits in the answer as units, tenths and hundredths • Count up and down in hundredths; recognise that hundredths arise when dividing an object by a hundred and dividing tenths by ten • Recognise and write decimal equivalents of any number of tenths or hundredths • Round decimals with one decimal place to the nearest whole number • Compare numbers with the same number of decimal places up to two decimal places • Solve simple measure and money problems involving fractions and decimals to two decimal places. • Begin to recognise and write decimal equivalents to $\frac{1}{4}$; $\frac{1}{2}$; $\frac{3}{4}$ • Count using simple fractions and decimal fractions, both forwards and backwards and represent fractions and decimals on a number line | <p>(PM unit 8-12) Focus on converting fractions into decimals</p> <ul style="list-style-type: none"> • Identify, name and write equivalent fractions of a given fraction, including tenths and hundredths and convert into decimals • Recognise and write decimal equivalents of any number of tenths or hundredths • Recognise and write decimal equivalents to $\frac{1}{4}$; $\frac{1}{2}$; $\frac{3}{4}$ • Count up and down in hundredths; recognise that hundredths arise when dividing an object by a hundred and dividing tenths by ten • Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non- unit fractions where the answer is a whole number • Recall the effect of dividing a one- or two-digit number by 10 and 100, • Round decimals with one decimal place to the nearest whole number • Solve simple measure and money problems involving fractions and decimals to two decimal places |
| <p>CC</p> | <p>DT- Fractions of foods and balanced diet</p> | | |

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| <p>Measurements (1 week)</p> | <ul style="list-style-type: none"> • (PM unit 13) Focus on metric conversions • Convert between different metric units of measure • Estimate, compare and calculate different measures, including money in pounds and pence • Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days. • Begin to look at solving perimeter of simple rectangles and squares • Find the area of rectilinear shapes by counting squares | <ul style="list-style-type: none"> • (PM unit 12) Focus on time • Read, write and convert time between analogue and digital 12 and 24-hour clocks • Estimate, compare and calculate different measures, including money in pounds and pence • Convert between different metric units of measure • Recall perimeter and area of simple quadrilaterals (rectangles and squares) | <ul style="list-style-type: none"> • (PM unit 4 + 7) Focus on area and perimeter • Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres • Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days. • Convert between different metric units of measure |
| <p>CC</p> | <p>Art – painting specific areas – cubism Geography – size of land Business – creating a theme park, consider where to place what. History – size of armies, land gained through war</p> | | |
| <p>Geometry (1 week)</p> | <p>(PM unit 15) Focus on naming 2D and 3D shapes</p> <ul style="list-style-type: none"> • Recall 2D and 3D shapes • Compare and classify geometric shapes, including quadrilaterals and triangles • Identify lines of symmetry in 2-D shapes presented in different orientations | <p>(PM unit 15) Focus on triangles and quadrilaterals features</p> <ul style="list-style-type: none"> • Compare and classify geometric shapes, including quadrilaterals and triangles based on their properties and sizes • Recall 2D and 3D shapes • Identify acute and obtuse angles and compare and order angles up to two right angles by size, <i>without using a protractor</i> | <p>(PM unit 15) Focus on angles</p> <ul style="list-style-type: none"> • Identify acute and obtuse angles and compare and order angles up to two right angles by size, <i>without using a protractor</i> • Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes • Recall 2D and 3D shapes |
| <p>CC</p> | <p>DT – designing buildings, sketching and creating Art – Cubism Computing – rotation and angles</p> | | |

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| <p>Position and direction (1 week)</p> | <p>(PM unit 16) Focus on using grids and coordinates</p> <ul style="list-style-type: none"> • Describe positions on a 2-D grid as coordinates in the first quadrant • Plot specified points and draw sides to complete a given polygon. | <p>(PM unit 16) Focus on completing a given polygon</p> <ul style="list-style-type: none"> • Plot specified points and draw sides to complete a given polygon. • Describe positions on a 2-D grid as coordinates in the first quadrant • Describe movements between positions as translations of a given unit to the left/right and up/down | <p>(PM unit 16) Focus on translation of shapes</p> <ul style="list-style-type: none"> • Describe movements between positions as translations of a given unit to the left/right and up/down • describe positions on a 2-D grid as coordinates in the first quadrant • Plot specified points and draw sides to complete a given polygon. |
| <p>CC</p> | <p>Art – Cubism, sketching faces Geography – reading coordinates PE – orienteering</p> | | |
| <p>Statistics (1 week)</p> | <p>(PM unit 14) Focus on bar charts</p> <ul style="list-style-type: none"> • Interpret and present discrete data using appropriate graphical methods, including bar charts • Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs | <p>(PM unit 14) Focus on pictograms</p> <ul style="list-style-type: none"> • Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs • Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and line graphs | <p>(PM unit 14) Focus on line graphs</p> <ul style="list-style-type: none"> • Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs and line graphs • Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs |
| <p>CC</p> | <p>Science – Drawing line graphs, reading tables and various other graphs PSHE – creating findings of a decision, creating a bar chart to show outcome Day to daytime table</p> | | |