**Cambois Primary School**

**Long Term Planning – Maths**

**Autumn Term 1st Half**

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|  | **Arithmetic** | **Geometry** | **Data and Measure** | **Arithmetic 2** | **Reasoning** |
| **Main learning objectives** | **Addition and subtraction**  **NC**  Y1 – one more and one less  Y1 – count and read numbers to 100, count in 2,5,10s (2,3,5 for yr2)  Y2 – + and – using concrete objects.  Y2 – recognise the inverse of + and –  Y2 – Apply knowledge of written methods  Y2 – Recognise fractions  **MMS**   * Maths stories with + and – * Read Maths stories. Copy and act out Maths stories. | **Symmetry 2d shapes**  **NC**  Y2Identify 2d shapes and properties.  Y1- recognise and name some 2d shapes.  Y2 identity lines of symmetry  **MMS**   * Identify line of symmetry in 2d shapes * Use the vocab line of symmetry | **Time**  **NC**  Y1 measure time to hour  Y2 – tell time to the nearest 5 minutes.  **MMS**  Read time from an analogue clock.  Draw hands on a clock. | **Addition and subtraction – applying to context**  **NC**  Y2 – solve problems with + and –  Y1 – solve one step problems that involve +and – using concrete and pcitoral representations including missing number problems. 7 = ? – 9  **MMS**  Look at embellished stories and find the basic real life stories. | **Many and much – simple fractions**  **NC**   * Y1 Read and write numbers t 20 in words and numbers. * Y1Recognise ½ as two equal parts * Y1 recognise a quarter. * Y2   **MMS**  Write 0-20 accurately   * Distinguish between ½ ¼ * Identify same vale and difference appearance. |
| **MMS link/ Block plans 1st term** | Block 1 – MMS 1  (4 digit columns for MA Y2) | Block 1 MMS 2 - geometry | Block 1 – MMS 2 Data and Measure | Block 1 MMS 2 Arithmetic 2 | Block 1 MMS 1 reasoning |
| **Mental focus/ objectives** | **NC**  Y1 – count to and across 100, forwards and backwards.  Y1 – count and read numbers to 100, count in 2,5,10s (2,3,5 for yr2)  Y2 – Recongise place value of each digit in a two digit number.  Use deans and counting sticks to count in tens. | | | | |

**Cambois Primary School Long Term Planning – Maths**

**Autumn Term 2nd Half**

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|  | **Arithmetic** | **Geometry** | **Data and Measure** | **Arithmetic 2** | **Reasoning** |
| **Main learning objectives** | **Addition and subtraction**  **NC**  Y2 – + and – using concrete objects.  Y2 – recognise the inverse of + and –  Y2 – Apply knowledge of written methods  **MMS**  Copy a written Maths story. With multiples of 10,100 and 1000.  Use place value and derive facts. | **Position**  **NC**  Y2 Identify 2d shapes and properties.  Y1- Recognise and name some 2d shapes.  Y1 – describe position, direction and movement, whole turn, half, quarter.  **MMS**   * Recognise quarter turns * Name and draw diagonals * Measure lengths of sides and draw lines. | **Capacity and Volume**  **NC**  Y1` measure and record capacity and volume  Y2 – chooise appropriate units to estimate and measure  **MMS**   * Select appropriate tools for measuring in cm and m, * Select appropriate tools for measuring in g and kg * Select appropriate tools for measure in ml. | **Multiplication**  **NC**  Y1 – concrete objects to solve one step x problems.  Y2 - Recall multiplication facts  Y2 Calculate mathematical statements. For x  **MMS**  Copy x maths stories  Act out real life x maths stories.  Read what it says and means | **Bigger, smaller and difference**  **NC**  Y1 – read, write and use the symbols + - = signs.  Y1 identify and represent numbers using objects and pictorial representations. Use language of equal to, more than and less than  Y2 – use > <  **MMS**  Say how bigger, smaller, difference   * Write numbers 0-9 ½ and ¼ correctly. |
| **MMS link/ Block plans 1st term** | Block 2 – MMS 1 Arithmetic | Block 2 MMS 2  Geometry  Look at block 3 MMS 1 and try and merge lessons. | Block 2 – MMS 2 Data and Measure | Block 2 - MMS 1 Arithmetic | Block 2 MMS 1 reasoning |
| **Mental focus/ objectives** | **NC**  Y1 – count to and across 100, forwards and backwards.  Y2 - count  Y 1 – recognise language in days of week, years and months of the year  Y2 – learn the 3 times table off by heart.  Number bonds to 20 | | | | |

**Cambois Primary School Long Term Planning – Maths**

**Spring Term 1st Half**

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|  | **Arithmetic** | **Geometry** | **Data and Measure** | **Arithmetic 2** | **Reasoning** |
| **Main learning objectives** | **Addition**  **NC**  Y2 – + and – using concrete objects. (use a range – deans)  Y2 – recognise the inverse of + and –  Y2 – Apply knowledge of written methods  **MMS**  Vertical addition  Apply written methods. | **2d 3d shapes and properties**  **NC**  Y2 Identify 2d shapes and properties.  Y1- Recognise and name some 2d shapes.  Y2 compare shapes  Y2 –use language like vertices, edges.  **MMS**   * Recognise and name 2d faces in 3d shapes. * Use terms edge and vertex. | **Mass**  **NC**  Y1` measure and record mass.  Y2 – choose appropriate units to estimate and measure  **MMS**   * Measure and record length in cm. * Say and write mass. * Make pictorial representations of mass kg and g | **Division**  **NC**  Y1 – concrete objects to solve one step divide problems.  Y2 - Recall multiplication and division facts  Y2 Calculate mathematical statements. For divide  **MMS**  Copy divide maths stories  Act out real life divide maths stories.  Read what it says and means | **Word Problems**  **NC**  Y1 – solve problems that involves + - x and divide.  Y2 –as above  **MMS**   * Simple real life stories. * Identify the operation * Answer questions about a word problem |
| **MMS link/ Block plans 1st term** | Block 3– MMS 1 Arithmetic  Look at MMS 2 block 3as it is vertical subtraction (may need to do this as separate group to prepare for SATS). | Block 3 MMS 2  Geometry | Block 3 – MMS 1 Data and Measure | Block 3 - MMS 1 Arithmetic 2 | Block 3 MMS 2 reasoning |
| **Mental focus/ objectives** | **NC**  Y1 – count to and across 100, forwards and backwards.  Number bonds to 20 + and –  Odd and even numbers  Count forward and back from any given number. | | | | |

**Cambois Primary School Long Term Planning – Maths**

**Spring Term 2nd Half**

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|  | **Arithmetic** | **Geometry** | **Data and Measure** | **Arithmetic 2** | **Reasoning** |
| **Main learning objectives** | **Subtraction**  **NC**  Y2 – + and – using concrete objects.  Y2 – recognise the inverse of + and –  Y2 – Apply knowledge of written methods  **MMS**  Vertical subtraction  Apply written methods. | **2d 3d shapes and properties**  **NC**  Y2 Identify 2d shapes and properties.  Y1- Recognise and name some 2d shapes.  Y2 compare shapes  Y2 –use language like vertices, edges.  **MMS**   * Recognise and name 2d shapes. | **Money**  **NC**  Y1` recognise and know the value of different denominations.  Y2 –Recognise symbols for pounds and pence.  Y2 find different totals and combinations of coins.  **MMS**   * Select correct combinations * Answer word problems with change. | **Fractions of a number and fractions of a shape**  **NC**  Y1 – find½ and quarter of objects and shapes.  Y1- find ½ of shapes and quantities  Y2 –find 1/3 ¼ 2/4 ¾ of shapes and quantities.  **MMS** | **Word Problems**  **NC**  Y1 – solve problems that involves + - x and divide.  Y2 –as above  **MMS**   * Simple real life stories. * Identify the operation * Answer questions about a word problem |
| **MMS link/ Block plans 1st term** | Own lessons – work on addition and subtraction using concrete apparatus use in a column for less able with no exchange. Use deans to build up place value image and taking away and adding using the pictorial element. | Block 4 MMS 1  Geometry | Own lessons – work on different coins for different values. | Own lessons – based on expectations and getting ready for SATS.  Look at MMS Block 5 MMS 1 Reasoning lessons. | Own lessons – prepare for SATs and SATs style questions. |
| **Mental focus/ objectives** | **NC**  .  count to and across 100, forwards and backwards.  Number bonds to 20 + and –  Odd and even numbers  Count forward and back from any given number.  Count in steps back and forth from different starting points. 27,37, 47 | | | | |

**Cambois Primary School Long Term Planning – Maths**

**Summer Term 1st Half**

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|  | **Arithmetic** | **Geometry** | **Data and Measure** | **Arithmetic 2** | **Reasoning** |
| **Main learning objectives** | **Written + and -**  **NC**  Y2 – + and – using concrete objects.  Y2 – recognise the inverse of + and –  Y2 – Apply knowledge of written methods  **MMS**  Vertical addition and subtraction | **2 d 3 d shapes**  **NC**  Y2 Identify 2d shapes and properties.  Y1- Recognise and name some 2d shapes.  Y2 compare shapes  Y2 –use language like vertices, edges.  **MMS**   * Identify 2d faces and 3d shapes and names them. | **Bar Charts- statistics**  **NC**  Y2 – interpret and construct simple pictograms, tally charts, block diagrams and tables.  Y2 – ask and answer questions about totalling and comparing categorical data.  **MMS**   * -understand information in a simple bar chart or pictogram. * Answer simple questions and word problems from bar charts and pictograms. | **Number puzzles**  **NC**  Y2 – solve problems  **MMS**  Complete variety of number puzzles.  Find halves and quarters of numbers and objects. | **Word Problems**  **NC**  Y1 – solve problems that involves + - x and divide.  Y2 –as above  **MMS**   * Select tools to solve problems about measures * Follow steps to solve a word problem. * Answer questions about a word problem |
| **MMS link/ Block plans 1st term** | BLOCK 5 – MMS 1  Look at this unit and extend seeing where the children have got with carrying earlier in the year. | Block 5 MMS 1  Geometry | Block 5 – MMS 2 | Block 5 – MMS 2 arithmetic 2. | Block 5 MMS 2 Reasoning |
| **Mental focus/ objectives** | **NC**  Y1 – count to and across 100, forwards and backwards. | | | | |

**Cambois Primary School Long Term Planning – Maths**

**Summer Term 2nd half**

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|  | **Arithmetic** | **Geometry** | **Data and Measure** | **Arithmetic 2** | **Reasoning** |
| **Main learning objectives** | **Written + and -**  **NC**  Y2 – + and – using concrete objects.  Y2 – recognise the inverse of + and –  Y2 – Apply knowledge of written methods  **MMS**  Vertical addition and subtraction – tricky columns | **Nets**  **NC**  Y2 Identify 2d shapes and properties.  Y1- Recognise and name some 2d shapes.  Y2 compare shapes  Y2 –use language like vertices, edges.  **MMS**   * Identify 2d faces and 3d shapes and names them. * Use nets to identify shapes. * Recognise pyramids and prisms. | **Time**  **NC**  . Y1 measure time to hour  Y2 – tell time to the nearest 5 minutes.  **MMS**   * -draw long hand and short hand on analogue clocks. | **Place value**  **NC**  Y1 identify and represent numbers.  Y2 – use place value and number facts to solve problems.  **MMS**  Sort odd and even numbers  Write numbers on abacus  Use vocabulary for thousands, hundreds, tens and units. | **Time / months of year**  **NC**  Y1 – recognise and use language relating to dates.  **MMS**   * Identify days and months * Work out days before/ after. |
| **MMS link/ Block plans 1st term** | BLOCK 6 – MMS 2  Look at this unit and extend seeing where the children have got with carrying earlier in the year. | Block 6 MMS 1  Geometry | Own lessons based upon assessments earlier in cycle. Use Block 6 MMS 1 and 2 as support to bridge the gaps. | Block 6 MMs 2 Arithmetic | Block 6 MMS 1 Reasoning |
| **Mental focus/ objectives** | **NC**  Y1 – count to and across 100, forwards and backwards. | | | | |