**Cambois Primary School**

**Long Term Planning – Maths**

**Autumn Term 1st Half**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Arithmetic** | **Geometry**  | **Data and Measure** | **Arithmetic 2** | **Reasoning** |
| **Main learning objectives** |  **Addition and subtraction****NC**Y1 – one more and one lessY1 – 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 methodsY2 – 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 hourY2 – 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**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **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 volumeY2 – 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 factsY2 Calculate mathematical statements. For x**MMS** Copy x maths storiesAct 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 thanY2 – 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 2Geometry 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 yearY2 – learn the 3 times table off by heart.Number bonds to 20 |

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

**Spring Term 1st Half**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **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 shapesY2 –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 factsY2 Calculate mathematical statements. For divide**MMS** Copy divide maths storiesAct 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 2Geometry  | 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 numbersCount forward and back from any given number. |

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

**Spring Term 2nd Half**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **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 shapesY2 –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 quantitiesY2 –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 1Geometry  | 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 numbersCount 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**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **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 shapesY2 –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 1Geometry  | 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**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **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 shapesY2 –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 hourY2 – 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 numbersWrite numbers on abacusUse 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 1Geometry  | 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. |