

## NUMERACY Term 1 (An overview of Learning Objectives)

### **Place value, ordering and rounding to include:**

- Partitioning a 4 digit number into thousands, hundreds, tens and units.
- Ordering and comparing 4 digit numbers
- Recognising the number 10 more or 10 less than any 4 digit number.
- Counting on or back in tens from any 3 or 4 digit number.

### **Understanding + and - to include:**

- Rehearsing addition pairs to 10 and 20.
- Recalling what must be added to make the next multiple of 10.
- Recalling addition pairs to 100 and 1000 in multiples of 5 and 50 and any 2 digit number.
- Adding and subtracting near multiples of 10 using 2 and 3 digit numbers.

### **Mental Calculation Strategies (+ and -) to include:**

- Introducing  $<$  and  $>$  to compare 4 digit numbers.
- Finding small differences by counting up from the smaller to the larger number.
- Relating 'difference' to 'take away'.
- Mentally add and subtract 2 and 3 digit multiples of 10.
- Mentally add and subtract multiples of 100.
- Recalling addition pairs to 100.
- Adding several 1 digit numbers.

### **Making Decisions and Checking Results to include:**

- Checking the sum of several numbers by adding them together in a different order.
- Checking answers with an equivalent calculation.
- Choosing and using appropriate operations and efficient calculation strategies to solve problems.

### **Money and 'real life' problems to include:**

- Relating doubling and halving strategies to money and 'real life' problems.
- Adding several amounts.
- Using the four operations to solve problems.

### **Measures, including problems about measures to include:**

- Recognising the relationship between millimetres and centimetres and grams and kilograms.
- Estimating and measuring the weight of objects using grams and kilograms.
- Knowing which unit of measure to use to measure a given length.
- Recognising the mile as a measure and its relationship with the kilometre.

### **Counting and properties of number to include:**

- Rehearsing counting on or back in ones, 25s and 50s to 1000.

### **Understanding $\times$ and $\div$ to include:**

- Rehearsing the concept of multiplication through arrays.
- Recognising that multiplication is repeated addition.
- Recognising and using the commutativity of multiplication.
- Rehearsing recall of multiplication facts for 2, 3, 4, 5, and 10 times tables.
- Rehearsing recall of corresponding division facts.

**Mental calculation strategies x and ÷ to include:**

- Doubling a number up to 50 and halving a number up to 100.
- Doubling and halving 2 digit numbers by doubling and halving the tens first.
- Rehearsing the x4 table knowing it is possible to double twice to multiply by 4.
- Introducing the x8 table as double the x4 table and associated division facts.
- Rehearsing the concept of division as grouping.
- Recognising that division is the inverse of multiplication.

**Shape and space to include:**

- Recognising, constructing and naming 2D shapes.
- Introducing and defining a polygon and recognising that they do not have to be regular.
- Recognising that any shape with 6 straight sides is a hexagon.
- Introducing equilateral and isosceles triangles.

**Reasoning about numbers to include:**

- Solving mathematical problems or puzzles recognising and explaining patterns and relationships.

**Reasoning about shapes to include:**

- Making and investigating a statement about familiar shapes by finding examples that satisfy it.

**Time to include:**

- Recognising and telling the time in one minute intervals. (analogue and digital clocks)
- Using a.m. and p.m. time.
- Reading a calendar.

**Handling data to include:**

- Rehearsing the use of tally charts to record observations.
- Representing data in a frequency table.
- Interpreting tally charts and frequency tables.

**Fractions to include:**

- Rehearsing recognition of fractions which are several parts of a whole.
- Rehearsing fractional notation and mixed numbers.
- Rehearsing the equivalence of simple fractions.

LITERACY Term 1 (An overview of Learning Objectives)

This term we will be learning:

- ✓ To read, identify different features of and write a range of text types from reports and articles in newspapers and magazines.
- ✓ To explore chronology, settings and characterisation in narrative through historical stories and short novels.
- ✓ To write independently linking own experience to historical stories using paragraphing to organise and sequence the narrative.
- ✓ To compare, contrast and write poems based on common themes.
- ✓ To read and write clear instructions using the appropriate organisational devices.

- ✓To prepare, read and perform play scripts.
- ✓To secure spelling strategies, including, 2 syllable words, containing double consonants, regular verb ending – s, ed, ing, common suffixes and how nouns and adjectives can be made into verbs through the use of certain suffixes.
- ✓To identify and use powerful verbs.
- ✓To practise using commas to mark grammatical boundaries within a sentence.

KEY TEXTS/AUTHORS/POETS

The Lady of Fire and Tears by Terry Deary