

## Numeracy - What it looks like at Beaucroft



### Preparation for Adulthood - EYFS - Post 16

Learners are encouraged to use numeracy skills within the local and wider community to access public transport, shops, and leisure facilities. Learners will also have the opportunity for work experience and exploring post 19 provisions.

### Pre-Formal - Engagement Steps - EYFS - Post 16

Engagement Model

#### Qualifications - KS4

ASDAN Personal Progress

#### Qualifications - Post 16

The learners will complete qualifications in Skills for Living and Employment at Entry Level 1 – 3 and develop their skills in both Literacy and Numeracy. Learners can also work towards achieving their Duke of Edinburgh Bronze Award.

### Semi-Formal - EYFS - Post 16

#### PKSS Progression

**Number** - Learners can demonstrate an understanding of the concept of transactions, distinguish between 'one' and 'lots' and demonstrate an understanding of the concept of 1:1 correspondence.

**Measure and Geometry** - Learners will be able to identify the big or small object from a selection of two, sort objects according to a stated characteristic, say the number names to 5 in the correct order, demonstrate an understanding of the concept of numbers up to 5 by putting together the right number of objects when asked and copy and continue simple patterns using real-life materials

**Statistics and Probability** - Learners will be able to identify how many objects there are in a group of up to 10 objects, recognising smaller groups on sight and counting the objects in larger groups up to 10, demonstrate an understanding that the last number counted represents the total number of the count, use real-life materials to add and subtract 1 from a group of objects and indicate how many are now present, copy and continue more advanced patterns using real-life materials.

#### Qualifications - KS4

ASDAN Personal Progress

#### Qualifications - Post 16

The learners will complete qualifications in Skills for Living and Employment at Entry Level 1 – 3 and develop their skills in both Literacy and Numeracy. Learners can also work towards achieving their Duke of Edinburgh Bronze Award.

**PKSS – National Curriculum Progression**

**Number** -Learners can count in multiples of 2, 3, 5, 10, from any number to 100, count, read and write numbers up to 100, use mathematical language i.e., equals too, more, less, identify, and represent numbers using objects or pictorial representations, recognise place value and use place value and number facts to solve problems. **Addition and subtraction** - Learners are able to read, write and interpret mathematical statements involving addition (+), subtraction (–) and equals (=) signs, represent and use number bonds and related subtraction facts within 20, add and subtract one-digit and two-digit numbers to 20, including zero, missing number problems such as  $7 = \square - 9$  including those involving numbers, quantities and measures, apply their increasing knowledge of mental and written methods, recall and use addition and subtraction facts to 20 fluently, derive and use related facts up to 100 add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones, a two-digit number and tens, two two-digit numbers, adding three one-digit numbers. show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot, recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems. **Multiplication and Division** - Learners can solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations, and arrays with the support of the teacher. Learners will be able to recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers, calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication ( $\times$ ), division ( $\div$ ) and equals (=) signs, show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot, solve problems involving multiplication and division. **Fractions** - Learners can recognise, find, name, and write fractions  $\frac{1}{2}$ ,  $\frac{1}{3}$ ,  $\frac{1}{4}$ ,  $\frac{2}{4}$ ,  $\frac{3}{4}$  of a length, shape, set of objects or quantity, write simple fractions for example,  $\frac{1}{2}$  of  $6 = 3$  and recognise the equivalence of  $\frac{2}{4}$  and  $\frac{1}{2}$  **Measurement** - Learners can compare, describe and solve practical problems for: lengths and heights, mass/weight, capacity and volume, time, as well as measuring and beginning to record findings. Recognise and know the value of different coins and notes, sequence events in chronological order, recognise and use language relating to dates, tell the time to the hour and half past the hour and draw the hands on a clock face to show these times. **Geometry** - Learners can recognise, name, and describe properties of common 2-D and 3-D shapes, describe position, direction, and movement, including whole, half, quarter, and three-quarter turns, compare and sort common 2-D and 3-D shapes and everyday objects. **Position** - Learners can order and arrange combinations of mathematical objects in patterns and sequences, use mathematical vocabulary to describe position, direction, and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half, and three-quarter turns (clockwise and anticlockwise). **Statistics** - Learners can interpret and construct simple pictograms, tally charts, block diagrams and simple tables, ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity and ask and answer questions about totalling and comparing categorical data.

**Qualifications - KS4**

Functional skills with ASDAN Personal and Social Development

**Qualifications - Post 16**

The learners will complete qualifications in Skills for Living and Employment at Entry Level 1 – 3 and develop their skills in both Literacy and Numeracy. Where appropriate the students take qualifications at Entry Levels in English and Maths. Learners can also work towards achieving their Duke of Edinburgh Bronze Award.

**T**houghtful and caring **H**appy and safe **R**esilient **I**ndependent **V**alued **E**mpowered