Mathematics Journey

EQUALS Semi-formal (EYFS-KS1)

Explore shapes, patterns, and quantities through sensory and play-based activities.

EQUALS Formal (KS1-2)

Experience basic mathematical concepts like time, sorting, and position through daily routines.

Develop number awareness using songs, rhymes, and concrete objects.

Careers- shopkeepers and customers

Count, add, and subtract using practical resources and visual supports.

Careers- we are builders

Recognise and name shapes, use non-standard units for measurement, and explore money through role-play.

Lancashire Maths (KS2-4)

Use mathematical vocabulary and begin interpreting simple data and time concepts.

Count forwards and backwards to and understand place value.

Tell the time using analogue and digital clocks.

Understand multiplication as repeated addition using arrays and equal groups.

Use standard units to measure length, weight, and capacity.

Careers-plan a trip- be a travel agent

Use number bonds and solve addition and subtraction problems.

Recognise coins and notes and use them in everyday contexts.

Divide quantities into equal parts and explore fractions.

Identify and name 2D and 3D shapes and describe their properties.

Compare and order objects by size, weight, and volume.

Interpret simple data using pictograms, tally charts, and bar graphs.

Understand perimeter and area.

Explore symmetry and patterns in shapes and designs.

Use concrete resources and pictorial representations to support calculations.

Estimate and check answers using mental strategies.

Careers-run a café- be a manager

Solve word problems involving money, time, and measures.

Use mathematical vocabulary to describe position, direction, and movement.

Apply reasoning to solve multi-step problems using known strategies.

Round numbers to the nearest 10 or 100 in practical contexts.

Use bar models and diagrams to represent mathematical problems.

Careers-Northern Rail visit

Read and write numbers up to 1000 and understand their value.

Begin to use simple formulas and rules in number patterns.

Careers-plan a journey- be a transport assistant

Apply practical maths skills such as budgeting, measuring, and interpreting information to support independent living.

Accreditation (KS4)

Use place value to partition numbers and support mental calculations.

Recognise and use fractions in practical contexts such as sharing and measuring.

Understand and use vocabulary related to angles, turns, and direction.

Solve problems involving time intervals and durations using timetables and clocks.

Interpret and construct simple tables and bar charts to represent data.

Solve everyday problems using whole numbers, simple decimals, and basic data handling.

Apply mathematical reasoning to budgeting, planning, and interpreting data in everyday contexts.

Use multiplication and division facts for times tables up to 12x12.

Finish

GCSE

Apprenticeship

College course

Use mathematical operations to complete tasks involving money, time, and measurement.

Careers- event planner- organise a party

Solve real-life problems involving whole numbers, decimals, and percentages.