ENTRY LEVEL MATHS SCHEME

TERM	TOPIC	OUTCOMES LEVEL 1	OUTCOMES LEVEL 2	OUTCOMES LEVEL 3
AUTUMN 1 7 weeks	Properties of number (4 weeks)	1.1 Count reliably up to 20 items 1.2 Read, write, order and compare numbers up to 20, including zero 1.3 Complete a number line up to 20	2.1 Read, write, order and compare numbers up to 100 2.2 Recognise place value in two digit numbers 2.3 Count from 0 in steps of two, three and five 2.4 Round numbers less than 100 to the nearest 10 2.5 Understand and identify odd and even numbers	3.1 Read and write numbers up to 1,000 3.2 Order and compare numbers up to 1,000 3.3 Recognise place value in three digit numbers 3.4 Round numbers less than 1,000 to the nearest 10 3.5 Round numbers less than 1,000 to the nearest 100 3.6 Find 10 or 100 more or less than a given number 3.7 Recognise and use multiples of 2, 3, 4, 5, 8, 10, 50 and 100

| Shape (3 weeks - continue Autumn 2) | 1.1 Recognise and name squares, rectangles, triangles, circles, and cubes

1.2 Compare and order a group of shapes or pictures or similar shapes of different size and recognise congruent shapes | 2.1 Recognise and name shapes including pentagons, hexagons and octagons and identify a right-angled triangle from a set of triangles

2.2 Recognise and name cuboids, pyramids and spheres

2.3 Describe the properties of 2D shapes, including straight and curved edges

2.4 Describe the properties of solids | 3.1 Recognise and name prisms, cylinders and cones

3.2 Draw lines of symmetry on shapes or pictures

3.3 Recognise and draw nets of cubes and cuboids |
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AUTUMN 2 7 weeks	Shape (2 weeks)	1.3 Use and understand positional vocabulary	2.5 Understand angle as a measure of turn	3.4 Identify whether an angle is less or more than a right angle
				3.5 Identify horizontal, vertical and parallel lines
				3.6 Denote the position of a point on a grid by its coordinates or identify a point or item given its coordinates
				3.7 Use North (N), East (E), South (S) and West (W) to give directions or position from a map

Money (4 weeks)	1.1 Recognise coins and notes up to £20	2.1 Appreciate the purchasing power of amounts of money (coins)	3.1 Appreciate the purchasing power of amounts of money (notes)
	1.2 Exchange money up to 20p for an equivalent amount in other denominations	2.2 Convert from pence to pounds and vice versa	3.2 Exchange notes for an equivalent value in coins
	1.3 Add up to 20 coins	2.3 Make amounts of money up to £2 from given coins	3.3 Use decimal notation for money
		2.4 Make amounts of money in multiples of £5 from £5, £10 and £20 notes	3.4 Interpret a calculator display
		2.5 Calculate with amounts of money in pence up to £1 and whole pounds up to £100 and give change	3.5 Solve real life problems involving what to buy and how to pay
			3.6 Add amounts of money and give change
			3.7 Carry out investigations involving money

| Time (1 week - continue Spring 1) | 1.1 Know the days of the week and their order | 2.1 Know the seasons and months and their order

2.2 Know that 1 week = 7 days; 1 day = 24 hours; 1 hour = 60 minutes; 1 minute = 60 seconds | 3.2 Know that there are 365 days in a year, 366 days in a leap year, 12 months in a year and 52 full weeks in a year

3.3 Use a calendar and write the date correctly (day/month/year) |

| SPRING 1 6 weeks | Time (3 weeks) | 1.2 Read the time to the hour or half hour on an analogue clock and draw the hands on a clock to show these times

1.3 Order familiar events | 2.3 Read the time displayed on an analogue or 12 hour digital clock in hours, half hours and quarter hours and draw the hands on a clock or the digital display to represent these times

2.4 Read the time to the nearest five minutes on an analogue clock, draw the hands on a clock to show the time, and read any time on a digital clock

2.5 Find the difference between two times given in hours, half hours and quarter hours | 3.1 Solve problems involving time
3.4 Tell and write the time from an analogue clock, including using Roman numerals from I to XII

3.5 Understand and use the 12-hour and 24-hour clock systems and convert from one system to the other

3.6 Convert between hours, minutes and seconds

3.7 Add up to three lengths of time given in minutes and hours |

The 4 operations	1.1 Add two whole numbers with a total up to 20	2.1 Add whole numbers with a total up to 100	3.1 Add and subtract using three digit numbers
	1.2 Subtract one number up to 20 from another	2.2 Subtract one number up to 100 from another	3.2 Multiply a two digit whole number by a single digit whole number
	1.3 Understand and use the + and – signs to solve simple number problems	2.3 Multiply using single digit whole numbers	3.3 Divide a two digit whole number by a single digit whole number
		2.4 Use and interpret +, -, × and = in real-life situations for solving problems	3.4 Use and interpret +, –, x ,÷ and = in real-life situations for solving problems
		2.5 Recall and use multiplication facts for the 2, 5 and 10 multiplication tables	3.5 Use inverse operations to find missing numbers
			3.6 Estimate the answer to a calculation
			3.7 Recall and use multiplication facts for the 3, 4 and 8 multiplication tables

| SPRING 2

6 weeks | Ratio and fractions (4 weeks) | 1.1 Understand equality

1.2 Identify or show one half of a quantity up to 20

1.3 Work out half of an even number up to 20 | 2.1 Identify or show one third or one quarter of a quantity up to 24

2.2 Work out one third or one quarter of a number up to 24

2.3 Count in fractions of one half or one third or one quarter

2.4 Work out amounts two, three or four times the size of a given amount

2.5 Recognise the equivalence of 1/2 and 2/4 | 3.1 Identify or show unit fractions up to one tenth of a quantity up to 100

3.2 Work out unit fractions to one tenth of a number up to 100

3.3 Identify or show any number of thirds, quarters, fifths or tenths of a quantity

3.4 Work out any number of thirds, quarters, fifths or tenths of an amount
3.5 Recognise and identify equivalent fractions

3.6 Add and subtract fractions with the same denominator within one whole

3.7 Work out amounts 5, 8 or 10 times the size of a given amount |
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	Measure (2 weeks - continue In Summer 1)	1.1 Compare lengths, heights, weights and capacities 1.3 Describe capacity in fractions	2.1 Choose appropriate standard units of length, capacity and weight 2.2 Compare and order lengths, capacities and weights in the same units 2.3 Select a possible length, capacity or weight for a given item 2.5 Estimate the weight, capacity or length of given items	3.1 Add lengths, capacities and weights and compare the total to another total or a requirement 3.2 Convert standard units of length, capacity and weight 3.3 Compare and order lengths, capacities and weights in different standard units

| SUMMER 1

6 weeks | Measures (2 weeks) | 1.2 Give the length of a line drawn on a centimetre grid | 2.4 Measure or draw a length using a ruler | 3.4 Measure the perimeter of a simple shape

3.5 Choose an appropriate measuring instrument

3.6 Read values from an appropriate scale

3.7 Read and compare temperature including temperature with negative values |
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Data (4 weeks)	1.1 Sort and classify objects using a single criterion	2.1 Sort and classify objects using more than one criterion	3.1 Construct and interpret bar charts with the vertical axis scaled in ones or twos
	1.2 Interpret and draw conclusions from a list or group of objects	2.2 Collect information by survey	3.2 Construct and interpret pictograms where one picture represents more than one item
	1.3 Construct and interpret simple line graphs	2.3 Record results in lists, tally charts and tables	
		2.4 Construct and interpret pictograms where one picture represents one item	3.3 Extract numerical information from lists, tables, diagrams and charts
		2.5 Interpret simple tables, diagrams, lists and graphs	3.4 Complete a frequency table given the original list of results
			3.5 Complete a tally chart and the resulting frequency table
			3.6 Compare two or more diagrams
			3.7 Solve one-step and two-step problems based on statistical information

Summer 2		During summer 2 pupils will complete the following at a level suitable to the individual: ● Exam practice (functional skills pupils) ● Problem solving activities ● Lifeskills based maths eg, budgeting, bank accounts, tax etc