Maths Entry level

	OCR Topic outline		
	Entry 1	Entry 2	Entry 3
Tally and Charts D1+D2+D3	• Tally objects or events • Sort and classify objects using every day language	• Complete tally charts which include numerical frequency • Construct a bar chart, stick graph or pictograph	• Interpret diagrams and simple pie charts
Ordering and reading numbers N1+N2	• Write, order and verbalise whole numbers up to ten	• Verbalise numbers up to 100 • Know the value of each digit in a 2 digit number	• Write, order and verbalise whole number up to 1000
Lengths S1+S2	• Visually compare lengths, • understand and use terms such as 'longer than', 'longest', 'shortest', shorter than' • Understand and use terms behind, in front, above, below, right/left, next to	• Use a ruler to draw and measure lines in cm (to the nearest cm) and mm (to the nearest 5mm) • Measure lengths up to 100mm and measure out lengths in metres using a metre rule	
Number Vocabulary N3	• Understand vocabulary associated with the comparison of number eg, more than, less than, greater than etc.	• Use vocabulary associated with calculating with number such as add, subtract, plus minus etc	• Understand vocabulary associated with number such as multiply, divide, times, share, double, twice, halve
Lists D4	•	• Extract information from a printed list with a maximum of 2 columns	• Extract information from printed lists with more than 2 columns or rows
Addition and Subtraction N4+N5+N6	• Use apparatus to add and subtract numbers to 10 • Understand and use the vocabulary of estimation,	• Recall addition and subtraction facts up to 10 • Mentally add several single digit numbers • Within the range 1 to	• Recall addition and subtraction facts up to 20 • Add or subtract two whole numbers (up to 3 digits)

	giving sensible estimates of a number of objects (not more than 10 objects) • Within the range 0 to 10 give a number that is 1 more or less than a given number	20 give a number that is 1 or 10 more or less than a give number	without a calculator • Add a single digit number to a number less tha n1000, add multiples of ten
Shapes S3+S4	• Draw a simple plane shape on a square grid • Know the terms circle. Square, rectangle, triangle and star	• Know the terms square and rectangle and use simple properties of these shapes • Draw a simple plane shape using a pencil and ruler only • Know the terms pentagon, hexagon, octagon, side, edge, corner	
Odd and Even N7	•	• Recognise the odd and even numbers from 1 to 50	•
Multiplying and Dividing by 10 N7	•	•	• Multiply a whole number by 10, recognise when numbers can be divided by 10 (to give whole number answer)
Time tables D5	•	•	• Read and use simple travel time tables and other common two way tables
Symmetry S5+S6	•	• Identify and draw single vertical lines of symmetry • Understand the terms symmetry and symmetrical	• Identify and draw shapes which have horizontal and / or vertical lines of symmetry • Understand the terms reflection and reflection symmetry • Recognise simple

			shapes, patterns and pictures that have reflection symmetry
Number N8	•	•	• Add and subtract sums of money, using a calculator where necessary; solve problems involving addition and subtraction of numbers up to 2 digits
Shape S7	• Recognise and continue simple repeating spatial patterns	•	• Explain how to find / draw the next shape in a simple spatial pattern
Using a calculator N9	•	• Add or subtract two whole numbers on a calculator	• Add subtract multiply or divide whole numbers up to 2 digits using a calculator, with or without a context
Decimals N10	•	• Write and order numbers up to 100, enter and interpret numbers on a calculator	• Order one digit decimals add and subtract decimals on a calculator
Angles S8+S9 + S10	•	• Recognise right angles and angles smaller or larger than a right angle	• Understand the terms right angle and parallel to • Understand and use the 4 points of the compass • Understand the terms clockwise and anticlockwise and the idea of a $\frac{1}{4}$ $\frac{1}{2}$ and $\frac{3}{4}$ turn
Problem Solving N11 + N12	• Solve problems involving addition and subtraction involving whole numbers less than 10	• Choose the appropriate operation (- and +) to solve simple operations.	• Know and use multiplication by 2,5,10 up to 10 x 10 and use this knowledge in multiplication and division problems

			• Choose appropriate operations (x or divide) to solve simple problems
Calendars D6	•	•	• Extract simple information from a calendar
In-between N13	• Give a number lying between 2 other numbers between 1 and 10	• Give one or more numbers lying between two other numbers up to 50	•
Thousands and Millions N14	•		• Perform simple calculations where the units of the quantities are whole numbers of millions or thousands
Shape Patterns S11	• Sort and Classify shapes using everyday language, e.g flat curved, rounded ,straight, sides and corners	• Identify pictures of 3d objects	• Make and describe shapes and patterns eg explore the shapes that can be made with 4 cubes
Missing Numbers N15	• Find the missing whole number, represented by a box or other symbol and not exceeding ten (_ + 4=6) using + or -	• As level 1 but not exceeding 20.	• As other levels but all four operations
Weights S12	• Compare weights of common objects including using terms such as heavier than, lighter than, heaviest and lightest	• Judge whether an object weighs more or less than a kg. Weigh objects less than 1kg with scales	•
Sequences N16 + N17 + N18	• Recognise and continue repeating patterns, counting the number of objects in each repeat	• Recognise and continue number patterns • Complete a sequence in 2s,5s, 10s up to 30 • Count backwards in 3	• Explain how to find the next number in a simple number pattern • Complete sequences of integers where

		or 4s	the common difference is 10 or less
Units of measure S13 + S14 + S15 + S16	•	• Recognise the following abbreviations for units, cm,mm, m , kg,l • Read and mark a scale or dial whose divisions represent 1, which are labelled in 1's or 2's • Read scales showing temperatures above zero and compare positive temperatures •	• Recognise and use the following abbreviations: mm,cm,m,km,g,kg, ml,l • Read and mark a scale or dial whose decisions are labelled and represent 2, 5 or 10 • Read scales showing temperatures above zero and compare temperatures
Fractions N19 + N20	•	• Recognise half quarter and $\frac{3}{4}$ quarters in words and numbers. • Represent these fractions in diagrams • (fractions may be given in words or digits) • Recognise that two halves or four quarters make one whole and that 2/4 is equivalent to $\frac{1}{2}$.	• Calculate halves and $\frac{1}{4}$ of quantities where the answer is an integer. Use halves and quarters in appropriate context
Time S17 + S18 + S19+S20	• Use language associated with time eg morning afternoon, evening and night	• Understand and use am/pm method of stating time • Read digital clocks, in hours and 5 minute intervals	• Work out starting and finishing times and intervals, up to 1 hr for times in multiples of 10 mins • Know that 60 seconds=1 min, 60 mins= 1 hr, 24 hrs= 1 day
Money N21 + N22 + N23	• Recognise British coins in everyday use	• Select coins equivalent to an amount of money up	• Select coins equivalent to an amount of money

		to 50p • Give change from 50p • Use £ and p notation	up to £5, give change from £5 • Solve problems involving multiplication or division of money by a whole number no greater than 10 • Convert from pence to pounds and vice versa • Order sums of money
Calendar problems S21	•	•	• Know and use basic calendar facts (eg days in a week, fortnight, month, days in a year) including common abbreviations (eg Mon, Jan etc.) • Use a calendar to solve problems