**Functional Skills – Maths Entry 1**

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| --- | --- | --- | --- | --- | --- |
|  T1 | T2 | T3 | T4 | T5 | T6 |
| **Number**Read, write and order up to 20Use whole numbers up to 20 inc. zeroRecognise + - and =Add and subtract up to and down from 20 | **Time and Money**Read 12 hour digital and analogue clocks in hoursDays of week, months and seasons in the year; name and sequenceRecognise coins using £ and p up to 20 | **Measures**Describe and compare in words measures inc size, length, width, height, weight, and capacity | **Shape**Identify and recognise common 2D and 3D shapes, inc circle, cube, rectangle, square and triangleUse every day positional vocab to describe position and direction, inc left, right, in front, behind, under and above | **Data**Read numerical information from listsSort and classify using a single criterionRead and draw simple charts and diagrams, tally charts and block diagram/graph | Exam preparation |

**Functional Skills – Maths Entry 2**

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| T1  | T2  | T3  | T4  | T5  | T6  |
|  **Number**  Count reliably to 100 itemsRead, write, order, and compare numbers to 200Recognise and sequence off and even numbers to 100Recognise and interpret +, -, x, ÷, =Add and subtract two-digit numbersMultiply whole numbers to 12 times tablesDivide two digit numbers by single digit numbers and show remaindersRound to nearest 10 and use this to check resultsRecognise simple fractions (halves, quarters, tenths) of whole numbersRead, write, and use decimals to one D.P.  |  **Time / Money** Know number of hours in a day and weeks in a year. Name and sequence.Read/record time in common formats. Analogue clocks in hours, quarters, half hours, and understand 24 hour/digitalCalculate money with pence up to one pound and whole pounds of multiple items, write with £ and p  | **Measures** Metric measures of length, mm, cm, m, and kmWeight inc grams and kilogramsCapacity – ml and litresRead and compare positive temperaturesRead and use simple scales to nearest labelled division    | **Shape and Space** Recognise and name simple 2D and 3D shapes including pentagons, cylinders, cuboids, pyramids, and spheresDescribe properties of common 2D and 3D shapes including number of sides, corners, edges, faces, angles, and baseRecognise simple fractions (halves, quarters, tenths) of shapesUse positional vocab to describe position and direction including between, inside, outside, middle, below, on top, forwards, and backwards.   |  **Data** Extract info from lists, tables, diagrams, chartsCreate frequency tablesInterpret info to make comparisons and record changes, from different formats, including bar charts and simple line graphsOrganise and represent info in appropriate ways including tables, diagrams, simple line graphs, bar chartsNumerical comparisons of bar chartsSort and classify using two criteriaTake data from one format and represent it in another, including use of bar charts      | Exam preparation  |

**Functional Skills – Maths Entry 3**

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| --- | --- | --- | --- | --- | --- |
|  T1 | T2 | T3 | T4 | T5 | T6 |
| **Number**Count, read, write, compare up to 100Add/subtract three-digit whole numbersDivide three-digit numbers by single and double digits and express remaindersMultiply two-digit numbers by single- and double-digit numbersApproximate by rounding numbers less than 1000 to nearest 10 or 100Recognise and continue linear sequences up to 100Fractions – thirds, quarters, fifths, tenths and equivalentsRead, write, and use decimals to two DPRecognise and continue sequences involving decimals | **Time and Money**Calculate with money using decimal notation and express money with £ and pRound amounts of money to nearest £1 or 10pRead, measure, and record time using am and pmRead time from analogue and digital 24 hour clocks in hours and minutes | **Measures**Use/compare length, capacity, weight, and temperature using metric and imperial units to nearest labelled divisionUse/compare length, capacity, weight, and temperature using metric and imperial units to nearest unlabelled divisionCompare metric measures of length including mm, cm, m, and kmCompare measures of weight including g and kgCompare measures of capacity including ml and lUse suitable instruments to measure mass and length  | **Shape and Space**Sort 2D and 3D shapes using properties, lines of symmetry, length, right angles, angles, including those in rectangles and trianglesUse appropriate positional and directional vocab including eight point compass and full, half, and quarter turns | **Data**Extract info from lists, tables, diagrams and chartsCreate frequency tablesInterpret info to make comparisons and record changes from different formats including bar charts and line graphsOrganise and represent info in appropriate ways including tables, diagrams, simple line graphs, and bar charts | Exam preparation |

**Functional Skills – Maths Level 1**

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| --- | --- | --- | --- | --- | --- |
|  T1 | T2 | T3 | T4 | T5 | T6 |
| **Number**Read, write, and compare large numbers to 1 millionRecognise and use positive and negative numbersMultiply and divide whole numbers and decimals by 10, 100, and 1000Use multiplication facts and make connections with division factsUse simple formulae expressed in words for one and two step operationsCalculate squares of one- and two-digit numbersBIDMASRead, write, order, compare decimals to 3DPAdd, subtract, multiply, and divide decimals to 2DPApproximate by rounding to whole numbers, 1DP, and 2DP.  | **Fractions, Percentages, Ratio**Read, write, order, and compare common fractions and mixed numbersFind fractions of whole number quantities or measurementsRead, write, and compare percentages in whole numbersCalculate percentages of quantities including simple percentage increases and decreases by 5% and multiples thereofEstimate answers to calculations using fractions and decimals. Recognise and calculate equivalences between common fractions, percentages, and decimalsWork with simple ratio and direct proportions | **Time, Money, and Measures**Measure accurately using accepted units of length, weight, capacity, money, timeConvert between units of length, weight, capacity, money and time in the same system (e.g. cm to m)Calculate simple interest in multiples of 5% on amounts of moneyCalculate 5% discounts on money | **Shape and Space/Direction**Calculate area and perimeter of simple shapes including irregular shaped rectanglesCalculate volume of cubes and cuboidsDraw 2D shames and show lines of symmetry and knowledge of relative size of anglesInterpret plants, elevations, and nets of simple 3D shapesMeasure angles in degreesUse angles when describing position and direction Recognise and make use of simple scales on maps and drawings  | **Data**Represent discrete data in tables, diagrams, charts, pie charts, and line graphsGroup discrete data and represent grouped data graphicallyFind mean and rangeProbability on scale of 0-100%Use probability to compare the likelihood of eventsUse equally likely outcomes to find probabilities of simple events and express as fractions | Exam preparation |

**Functional Skills – Maths Level 2**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| T1 | T2 | T3 | T4 | T5 | T6 |
| **Number**Read, write, order, and compare numbers of any sizeCalculations with numbers up to 1 million including strategies to check including estimation, approximation, reverse checksEvaluate expressions and make substitutions in given formulae in words and symbolsBIDMAS with indicesOrder, approximate, and compare decimalsAdd, subtract, multiply, and divide decimals to 3DP | **Fractions, Percentages, Ratio**Identify and know equivalence between fractions, decimals, and percentagesWork out percentages of amounts and express one amount as a percentage of anotherCalculate percentage change (any size increase/decrease) and original value after percentage changeOrder, add, subtract, and compare amounts using proper and improper fractions and mixed numbersExpress one number as a fraction of anotherUnderstand and calculate using ratio, direct and inverse proportionRead, write, and compare percentages in whole numbers | **Time, Money, and Measures**Calculate money, compound interest, percentage increases, decreases, and discounts including tax and simple budgetingConvert between metric and imperial using conversion factor and conversion graphCalculate using compound measures (speed, density, rates of pay) | **Shape and Space/Direction**Perimeters and areas of 2D shapes including circles and triangles and composite shapes (formulae given except triangles and circles)Use formulae to find volume and surface area of 3D shapes including cylindersCalculate actual dimensions from scale drawings and create scale diagram given actual measurementsUse coordinates in 2D, positive and negative, to specify position of pointsUnderstand and use common 2D representations of 3D objectsDraw 3D shapes to include plans and elevationsCalculate values of angles and/or coordinates with 2D and 3D shapes | **Data**Calculate mean, median, mode, rangeUse mean, median, mode, and range to compare two sets of dataEstimate mean of grouped frequency distribution from discrete dataWork out the probability of combined events including use of diagrams and tables including two-way tablesExpress probabilities as fractions, decimals, and percentagesRepresent discrete data in tables, diagrams, charts, pie charts, and line graphsDraw and interpret scatter diagrams and recognise positive and negative correlation | Exam preparation |