**Functional Skills – Maths Entry 1**

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| --- | --- | --- | --- | --- | --- |
| T1 | T2 | T3 | T4 | T5 | T6 |
| **Number**  Read, write and order up to 20  Use whole numbers up to 20 inc. zero  Recognise + - and =  Add and subtract up to and down from 20 | **Time and Money**  Read 12 hour digital and analogue clocks in hours  Days of week, months and seasons in the year; name and sequence  Recognise 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 triangle  Use every day positional vocab to describe position and direction, inc left, right, in front, behind, under and above | **Data**  Read numerical information from lists  Sort and classify using a single criterion  Read 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 items  Read, write, order, and compare numbers to 200  Recognise and sequence off and even numbers to 100  Recognise and interpret +, -, x, ÷, =  Add and subtract two-digit numbers  Multiply whole numbers to 12 times tables  Divide two digit numbers by single digit numbers and show remainders  Round to nearest 10 and use this to check results  Recognise simple fractions (halves, quarters, tenths) of whole numbers  Read, 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/digital  Calculate 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 km  Weight inc grams and kilograms  Capacity – ml and litres  Read and compare positive temperatures  Read 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 spheres  Describe properties of common 2D and 3D shapes including number of sides, corners, edges, faces, angles, and base  Recognise simple fractions (halves, quarters, tenths) of shapes  Use 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, charts  Create frequency tables  Interpret info to make comparisons and record changes, from different formats, including bar charts and simple line graphs  Organise and represent info in appropriate ways including tables, diagrams, simple line graphs, bar charts  Numerical comparisons of bar charts  Sort and classify using two criteria  Take data from one format and represent it in another, including use of bar charts | Exam preparation |

**Functional Skills – Maths Entry 3**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| T1 | T2 | T3 | T4 | T5 | T6 |
| **Number**  Count, read, write, compare up to 100  Add/subtract three-digit whole numbers  Divide three-digit numbers by single and double digits and express remainders  Multiply two-digit numbers by single- and double-digit numbers  Approximate by rounding numbers less than 1000 to nearest 10 or 100  Recognise and continue linear sequences up to 100  Fractions – thirds, quarters, fifths, tenths and equivalents  Read, write, and use decimals to two DP  Recognise and continue sequences involving decimals | **Time and Money**  Calculate with money using decimal notation and express money with £ and p  Round amounts of money to nearest £1 or 10p  Read, measure, and record time using am and pm  Read 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 division  Use/compare length, capacity, weight, and temperature using metric and imperial units to nearest unlabelled division  Compare metric measures of length including mm, cm, m, and km  Compare measures of weight including g and kg  Compare measures of capacity including ml and l  Use 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 triangles  Use appropriate positional and directional vocab including eight point compass and full, half, and quarter turns | **Data**  Extract info from lists, tables, diagrams and charts  Create frequency tables  Interpret info to make comparisons and record changes from different formats including bar charts and line graphs  Organise 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 million  Recognise and use positive and negative numbers  Multiply and divide whole numbers and decimals by 10, 100, and 1000  Use multiplication facts and make connections with division facts  Use simple formulae expressed in words for one and two step operations  Calculate squares of one- and two-digit numbers  BIDMAS  Read, write, order, compare decimals to 3DP  Add, subtract, multiply, and divide decimals to 2DP  Approximate by rounding to whole numbers, 1DP, and 2DP. | **Fractions, Percentages, Ratio**  Read, write, order, and compare common fractions and mixed numbers  Find fractions of whole number quantities or measurements  Read, write, and compare percentages in whole numbers  Calculate percentages of quantities including simple percentage increases and decreases by 5% and multiples thereof  Estimate answers to calculations using fractions and decimals.  Recognise and calculate equivalences between common fractions, percentages, and decimals  Work with simple ratio and direct proportions | **Time, Money, and Measures**  Measure accurately using accepted units of length, weight, capacity, money, time  Convert 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 money  Calculate 5% discounts on money | **Shape and Space/Direction**  Calculate area and perimeter of simple shapes including irregular shaped rectangles  Calculate volume of cubes and cuboids  Draw 2D shames and show lines of symmetry and knowledge of relative size of angles  Interpret plants, elevations, and nets of simple 3D shapes  Measure angles in degrees  Use 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 graphs  Group discrete data and represent grouped data graphically  Find mean and range  Probability on scale of 0-100%  Use probability to compare the likelihood of events  Use equally likely outcomes to find probabilities of simple events and express as fractions | Exam preparation |

**Functional Skills – Maths Level 2**

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| --- | --- | --- | --- | --- | --- |
| T1 | T2 | T3 | T4 | T5 | T6 |
| **Number**  Read, write, order, and compare numbers of any size  Calculations with numbers up to 1 million including strategies to check including estimation, approximation, reverse checks  Evaluate expressions and make substitutions in given formulae in words and symbols  BIDMAS with indices  Order, approximate, and compare decimals  Add, subtract, multiply, and divide decimals to 3DP | **Fractions, Percentages, Ratio**  Identify and know equivalence between fractions, decimals, and percentages  Work out percentages of amounts and express one amount as a percentage of another  Calculate percentage change (any size increase/decrease) and original value after percentage change  Order, add, subtract, and compare amounts using proper and improper fractions and mixed numbers  Express one number as a fraction of another  Understand and calculate using ratio, direct and inverse proportion  Read, write, and compare percentages in whole numbers | **Time, Money, and Measures**  Calculate money, compound interest, percentage increases, decreases, and discounts including tax and simple budgeting  Convert between metric and imperial using conversion factor and conversion graph  Calculate 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 cylinders  Calculate actual dimensions from scale drawings and create scale diagram given actual measurements  Use coordinates in 2D, positive and negative, to specify position of points  Understand and use common 2D representations of 3D objects  Draw 3D shapes to include plans and elevations  Calculate values of angles and/or coordinates with 2D and 3D shapes | **Data**  Calculate mean, median, mode, range  Use mean, median, mode, and range to compare two sets of data  Estimate mean of grouped frequency distribution from discrete data  Work out the probability of combined events including use of diagrams and tables including two-way tables  Express probabilities as fractions, decimals, and percentages  Represent discrete data in tables, diagrams, charts, pie charts, and line graphs  Draw and interpret scatter diagrams and recognise positive and negative correlation | Exam preparation |