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| Subject: **Mathematics Functional Skills level 1** |
| Group/ Year: **KS3b (Year 9 long term)** |

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| Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| **Content:**   * Place value. * Read and write numbers up to one million. (1.1) * Calculations involving negative numbers.(1.2) * Multiply and divide by 10, 100 and 1000. (1.3) * Order of operations and mental strategies for calculations. (1.4, 1.5, 1.7) * Using estimation to solve calculations. (1.12)   **Assessment:**   * End of topic assessment. | **Content:**   * Factors, multiples and prime numbers. * Fractions, decimals and percentages. Including solving equations and estimating solutions. (1.8, 1.9, 1.10, 1.11, 1.13, 1.15, 1.16) * Percentage increase and decrease. (1.14) * Calculate simple interest and discount. (2.18, 2.19) * Converting between units of measurement. (2.20)   **Assessment:**   * End of topic assessment. * Functional Skills Entry level | **Content:**   * Area and perimeter of quadrilaterals (including trapezium), triangles and compound shapes. (1.6, 2.22, 2.24) * Volume of cubes and cuboids. (2.23) * Area and circumference of circles * Interpret plans and nets of 3D shapes. (2.25)   **Assessment:**   * End of topic assessment. | **Content:**   * Data cycle and identifying types of data. (3.28) * Draw and interpret a range of graphs (including pie charts). (3.27, 3.28) * Find the mean, median, mode and range of a set of data. (3.29)   **Assessment:**   * End of topic assessment. * Functional Skills Entry level | **Content:**   * Probability of a single event. (1.16, 3.30) * Calculations involving fractions and decimals. (1.11, 1.12, 1.15) * Probability trees including probability of more than one event. (1.15, 3.31) * Ratio and direct proportion. (1.17)   **Assessment:**   * End of topic assessment. | **Content:**   * Identify angles and characteristics. (2.24) * Angle rules for straight line, around a point. (2.24) * Recognise and make use of simple scales on maps and drawings. (2.21) * Use angles to describe position and direction and measure in degrees. (2.26)   **Assessment:**   * End of topic assessment. * Functional Skills Level 1 |