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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
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