

**Maths - Entry Level Certificate CURRICULUM PLAN**

**KEY STAGE 4**

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|  | **AUTUMN 1** | **AUTUMN 2** | **SPRING 1** | **SPRING 2** | **SUMMER 1** | **SUMMER 2** |
| **Group 6**  **Scheme of Work** | * Properties of number * Geometry | * Measures * Ratio | * The four operations * Money | * The Calendar and time * Statistics | * Coursework * Revision | * Coursework * Revision |
| **Example of Tasks** | * Count reliably up to 20 items * Read, write, order and compare numbers up to 20, including zero * Read, write, order and compare numbers up to 100 * Count from 0 in steps of two, three and five * Understand and identify odd and even numbers * Order and compare numbers up to 1,000 * Round numbers less than 1,000 to the nearest 10 * 7 Recognise and use multiples of 2, 3, 4, 5, 8, 10, 50 and 100 * Recognise and name squares, rectangles, triangles, circles, and cubes * Compare and order a group of shapes or pictures or similar shapes of different size and recognise congruent shapes * Recognise and name shapes including pentagons, hexagons and octagons * Recognise and name cuboids, pyramids and spheres * Draw lines of symmetry on shapes or pictures * Identify whether an angle is less or more than a right angle * Denote the position of a point on a grid by its coordinates. * *Use North (N), East (E), South (S) and West (W) to give directions* | * Compare lengths, heights, weights and capacities * Choose appropriate standard units of length, capacity and weight * Measure or draw a length using a ruler * Add lengths, capacities and weights and compare the total to another total or a requirement * Measure the perimeter of a simple shape * Read values from an appropriate scale * Read and compare temperature including temperature with negative values * Identify or show one half of a quantity up to 20 * Identify or show one third or one quarter of a quantity up to 24 * Count in fractions of one half or one third or one quarter * Work out amounts two, three or four times the size of a given amount * Work out unit fractions to one tenth of a number up to 100 * Work out any number of thirds, quarters, fifths or tenths of an amount * Add and subtract fractions with the same denominator within one whole * Work out amounts 5, 8 or 10 times the size of a given amount | * Understand and use the + and – signs to solve simple number problems * Subtract one number up to 20 from another * Multiply using single digit whole numbers * Use and interpret +, -, × and = in real life situations for solving problems * Recall and use multiplication facts for the 2, 5 and 10 multiplication tables * Add and subtract using three-digit numbers * Use inverse operations to find missing numbers * Recall and use multiplication facts for the 3, 4 and 8 multiplication tables * Recognise coins and notes up to £20 * 2 Exchange money up to 20p for an equivalent amount in other denominations * Appreciate the purchasing power of amounts of money (coins) * Convert from pence to pounds and vice versa * Calculate with amounts of money in pence up to £1 and whole pounds up to £100 and give change * Exchange notes for an equivalent value in coins * Use decimal notation for money * Interpret a calculator display * Add amounts of money and give change * Carry out investigations involving money | * Know the days of the week and their order * Read the time to the hour or half hour on an analogue clock * Know the seasons and months and their order * Know that 1 week = 7 days; 1 day = 24 hours; 1 hour = 60 minutes; 1 minute = 60 seconds * Read the time displayed on an analogue or 12 hour digital clock in hours, half hours and quarter hours and draw the hands on a clock to represent these times * Find the difference between two times given in hours, half hours and quarter hours. * Know that there are 365 days in a year, 366 days in a leap year, 12 months in a year and 52 full weeks in a year * Use a calendar and write the date correctly * Understand and use the 12 hour and 24 hour clock systems and convert from one system to the other * Interpret and draw conclusions from a list or group of objects * Construct and interpret simple line graphs * Collect information by survey and record results in lists, tally charts and tables * Interpret simple tables, diagrams, lists and graphs * Construct and interpret bar charts with the vertical axis scaled in ones or twos * Extract numerical information from lists, tables, diagrams and charts * Complete a frequency table given the original list of results * Solve one-step and two-step problems based on statistical information |  |  |