

**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
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| **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
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