The Mall School

Curriculum Guide

Mathematics – Autumn Term

Year 4

Teachers:	Mr Martyn Miller, Mr Serge Lang & Mrs Juliet Tovey
Lessons:	3 x 35min and 2 x 60min
Homework:	1 x 20-30min (Monday)

Introduction:
Pupils are placed into 3 groups this year, two standard groups and 1 support group. However all the pupils will follow the same syllabus but at different depth and / or pace as appropriate. The main focus is to develop pupils' number work. The other main strands of Shape, Space and Measures, Handling Data and Properties of Number will also be included. Mental arithmetic games play a large part in the children's learning as this is vital to build self-confidence and mental calculation speed.

Key Objectives:
- Multiply and divide any positive integer up to 10,000 by 10 or 100 and understand the effect.
- Order a given set of positive and negative integers.
- Use decimal notation for tenths and hundredths (in the context of money and measures).
- Round a number with one or two decimal places to the nearest integer.
- Relate fractions to division and to their decimal representations.
- Calculate mentally a difference such as 8006 – 2993.
- Carry out vertical addition and subtraction (using decomposition) of positive integers less than 10000.
- Know by heart all multiplication facts up to 12 × 12.
- Use the 'grid' method of multiplication and 'chunking' method of division of a two-digit (and three-digit) by a single-digit integer.
- Use all four operations to solve simple word problems involving numbers and quantities, including time, explaining methods and reasoning.

These key objectives will be covered alongside others in the units of work in each term. The topic areas to be covered for the Autumn Term are as follows:
- Place Value
- Addition and Subtraction
- Properties of Number
- Calculations
- Multiplication and Division
- Fractions and Decimals

Resources:

All pupils must bring the following equipment to all lessons: pencil, rubber, pencil sharpener, 30cm ruler, colouring pencils, highlighter pens, glue stick. A maths set is useful but will not be required until towards the end of the term.