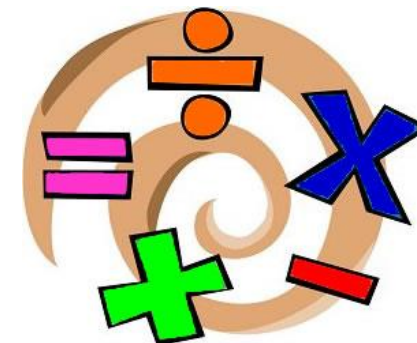# Hockney Class - Maths Medium Term Plan - 2020

Autumn Terms 1 and 2

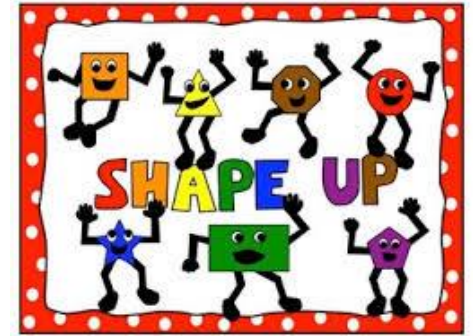**Autumn Term 1**

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Presentation of work - Children will be introduced to Hockney class, showing how to set out their work correctly and neatly. Children explained about 'Green for Growths'.	**Place Value** Order and compare numbers up to 10,000,000. Round any whole number to a degree of accuracy. Use negative numbers in context, calculating intervals across 0.	**Place Value** Count forwards and backwards in steps of 10 for any given number up to 1,000,000. Read Roman numerals up to 1,000 and recognise years written in Numerals. Solve practical and number problems.	**Addition** Add whole numbers with more than 4 digits, including using formal written method. Add numbers mentally with increasingly large numbers. Use rounding to check answers to calculations	**Subtraction** Subtract whole numbers with more than 4 digits using written methods. Subtract mentally using increasingly large numbers. Use rounding to check answers to calculations and	**Multiplication** Multiply 4 digit numbers up to 4 digits by a two digit whole number using the formal written method of long multiplication. Know and use the vocabulary of prime numbers, prime factors and	**Multiplication** Multiply numbers mentally, derived upon known facts. Multiply numbers involving decimals by 10, 100 and 1000. Recognise and use square numbers and cube numbers. Solve problems in multiplication

			and determine, in the context of problems. Solve addition multi step problems.	determine, in the context of problems. Solve subtraction multi step problems.	composite numbers.	using their knowledge of factors and multiples.

Hockney Class - Maths Medium Term Plan - 2020

Autumn Terms 1 and 2

Autumn Term 2

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Division Divide numbers up to 4 digits by a one digit number using the formal written method. Divide whole numbers and decimals by 10, 100 and 1000. Solve division problems using their knowledge of factors and multiples.	**Fractions** Use common factors to simplify fractions. Compare and order fractions. Add and subtract fractions using different denominators and mixed numbers, using the concept of equivalent fractions. Divide proper fractions by	**Fractions** Associate a fraction with a division and calculate decimal fraction equivalents. Multiply one digit numbers with up to 2 decimal places. Solve fraction problems where answers are to be rounded to specified degrees of	**Measurement** Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit. Convert between miles and kilometres. Solve problems involving the	**Measurement** Recognise that shapes with the same areas can have different perimeters. Recognise when it is possible to use formulae for area and volume of shapes. Calculate the area of a parallelogram and triangles. Calculate,	**Ratio and Proportion** Solve problems involving the relative sizes of 2 quantities where missing values can be found using multiplication and division facts. Solve problems using the calculation of percentages and the use of percentages for comparison.	**ASESSMENT WEEK** Children to take part in assessments involving Maths. Provide children with basic revision before hand. Assessments to help with child's progress on the tracker system.

Interpret remainders as whole number remainders, divide 4 digit numbers by 2 digit using short division where appropriate.	whole numbers.	accuracy. Recall and use equivalences between simple fractions, decimals and percentages.	calculation and conversion of units of measure, using decimal notation up to 3 decimal places where appropriate.	estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres and cubic metres.	Solve problems involving similar shapes where the scale factor is known or can be found. Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.