Sefton Park Infant and Junior Schools

Maths Medium Term Overview

Year Group 5

Autumn 2

Enquiry Question: Could humans ever live on another planet?		
Relationships Education	**Families and Friendship**	**Say No to Bullying!**

	Curious	**Confident**	**Creative**
	Equalities and Diversity link/Questions: Promoting confidence in maths for girls		
	Block 1	**Block 2**	**Block 3**
Foci	Division Fractions	Fractions Decimals Percentages	Statistics

White Rose Maths Small Steps	• Divide 2/3/4-digits by 1-digit • Divide with remainders • Divide by 10/100/1000 • Multiples of 10/100/1000 • Equivalent fractions • Improper fractions to mixed numbers • Mixed numbers to improper fractions • Number sequences • Compare and order fractions less than 1 • Compare and order fractions greater than 1 • Add and subtract fractions • Add fractions within 1 • Add 3 or more fractions	• Add mixed numbers • Subtract fractions • Subtract mixed numbers • Subtraction - breaking the whole • Subtract 2 mixed numbers • Multiply unit fractions by an integer • Multiply non-unit fractions by an integer • Multiply mixed numbers by integers • Fraction problem solving • Decimals up to 2 d.p • Decimals as fractions (1) • Decimals as fractions (2) • Understand thousandths • Thousandths as decimals • Rounding decimals • Order and compare decimals • Understand percentages • Percentages as fractions and decimals	• Interpret charts • Comparison, sum and difference • Read and interpret line graphs • Draw line graphs • Use line graphs to solve problems • Read and interpret tables • Two-way tables • Timetables

National Curriculum Link	**Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context** **Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000** **Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3)** **Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes** **Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign** **Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates**	**Compare and order fractions whose denominators are all multiples of the same number identify,** **Name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths** **Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, 5 2 + 5 4 = 5 6 = 1 5 1]** **Add and subtract fractions with the same denominator and denominators that are multiples of the same number multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams** **Read and write decimal numbers as fractions [for example, 0.71 = 100 71]** **recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents** **Round decimals with two decimal places to the nearest whole number and to one decimal place** **Read, write, order and compare numbers with up to three decimal places solve problems involving number up to three decimal places** **Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal**	**Solve comparison, sum and difference problems using information presented in a line graph** **Complete, read and interpret information in tables, including timetables.**

		Solve problems which require knowing percentage and decimal equivalents of 2 1 , 4 1 , 5 1 , 5 2 , 5 4 and those fractions with a denominator of a multiple of 10 or 25	
Approximate time	**2 weeks**	**2-4 weeks**	**1 week**