Sandbrook Community Primary School - Maths medium term plan

Autumn term - Year 5

Week 1-3	Week 4-6	Week 7-10	Week 11-12
Place value	**Addition and subtraction**	**Multiplication and division**	**Fractions A**
• Roman numerals to 1,000 • Numbers to 10,000 • Numbers to 100,000 • Numbers to 1,000,000 • Read and write numbers to 1,000,000 • Powers of 10 • 10/100/1,000/10,000/100,000 moe or less • Partition numbers to 1,000,000 • Number line to 1,000,000 • Compare and order numbers to 100,000 • Round to nearest 10,100 or 1,000 • Round within 100,000	• Add whole numbers with four or more digits • SUbtract whole numbers with four or more digits • Inverse operations (addition and subtraction • Multi-step addition and subtraction problems • Comparing	• Multiples • Common multiples • Factors • Common factors • Prime numbers • Square and cubed numbers • Multiply by 10, 100 and 1,000. • Divide by 10, 100 and 1,000. • Multiples of 10, 100 and 1,000.	• Find fractions equivalent to a unit fraction • Find fractions equivalent to a non-unit fraction • Recognise equivalent fractions • Convert improper fractions to mixed numbers • Convert mixed numbers to improper fractions • Compare fractions less than 1 • Order fractions less than 1 • Add and subtract fractions with the same denominator • Add fractions within 1 • Add fractions with totals greater than 1 • Add to a mixed number • Add two mixed numbers • Subtract fractions • Subtract from a mixed number • Subtract from a mixed number- breaking the whole • Subtract two mixed numbers.

• Round within 1,000,000.	calculations • Find missing numbers		
Spring term - Year 5			
Week 1-3	**Week 4-5**	**Week 6-8**	**Week 9-10**
Multiplication and division	**Fractions,**	**Decimals and percentages**	**Perimeter and area**
• Multiply up to a 4-digit number by a 1-digit number • Multiply a 2 digit number by a 2 digit number • Multiply a 2-digit number by a 2 digit number • Multiply a 3-digit number by a 2 digit number • Multiply a 4-digit number by a 2 digit number • Short division • Divide a 4-digit number by a 1-digit number • Divide with remainders	• Multiply a unit fraction by an integer • Multiply a non-unit fraction by an integer • Multiply a mixed number by an integer • Calculate a fraction of a quantity • Fraction of an amount • Find the whole	• Decimals up to 2 decimal places • Equivalent fractions and decimals (tenths and hundredths) • Equivalent fractions and decimals • Thousandths as fractions • Thousandths as decimals • Thousandths on a place value chart • Order and compare any decimal with up to 3 decimal places • Round to the nearest whole number • Round to 1 decimal place	• Perimeter of rectangles • Perimeter of rectilinear shapes • Perimeter of polygons • Area of rectangles • Area of compound shapes • **Week 11** **Statistics** • Draw line graphs • Read and interpret line graphs • Read and interpret tables • Two-way tables • Read and interpret timetables

		• Understand percentages • Percentages as fractions • Percentages as decimals • Equivalent fractions, •	

Summer

Week 1-3	**Week 4-5**	**Week 6-8**	**Week 9**	**Weeks 10-11**	**Week 12**
Shape	**Position and direction**	**Decimals**	**Negative numbers**	**Converting units**	**Volume**
• Understand and use degrees • Classify angles	• Read and plot coordinates • Translation • Translatio	• Add and subtract decimals with in 1 • Complements to 1 • Add and subtract decimals across 1 • Add decimals with the same and different number of dp. • Subtract decimals with the same and different number of	• Understand negative numbers • Count through zero in 1s and multiples • Compare and order negative numbers • Find the difference	• Kilograms and kilometres • Milimetres abd millileteres • Convert units of length • Convert between metric and imperial units • Converts units of time	• Cubic centimetres • Compare volume • Estimate volume and capacity

• Estimate angles • Measure angels up to 180 degrees • Draw lines and angles correctly • Calculate angles on a straight line • Lengths and angles in shapes	n with coordinates • Lines of symmetry • Reflection in horizontal and vertical lines	dp. • Decimal sequences • Multiply and divide by 10, 100 and 1000.		• Calculate with timetables	

• Regular and irregular polygons • 3-D Shapes •					