Spring Term Maths Curriculum

Year 6

<u>Ratio</u>
Add or multiply?
Use ratio language
Introduction to the ratio symbol
Ratio and fractions
Scale drawing
Use scale factors
Similar shapes
Ratio problems
Proportion problems
Recipes

<u>Algebra</u>
1-step function machines
2-step function machines
Form expressions
Substitution
Formulae
Form equations
Solve 1-step equations
Solve 2-step equations
Find pairs of values
Solve problems with two unknowns

<u>Decimals A</u>
Place value within 1
Place value – integers and decimals
Round decimals
Add and subtract decimals
Multiply by 10, 100 and 1,000
Divide by 10, 100 and 1,000
Multiply decimals by integers
Divide decimals by integers
Multiply and divide decimals in context

<u>Fractions, Decimals and Percentages</u>
Decimal and fraction equivalents
Fractions as division
Understand percentages
Fractions to percentages
Equivalent fractions, decimals and percentages
Order fractions, decimals and percentages
Percentage of an amount – one step
Percentage of an amount – multi-step
Percentages – missing values

Area, Perimeter and Volume
Shapes – same area
Area and perimeter
Area of a triangle – counting squares
Area of a right-angled triangle
Area of any triangle
Area of a parallelogram
Volume – counting cubes
Volume of a cuboid

Statistics
Line graphs
Dual bar charts
Read and interpret pie charts
Pie charts with percentages
Draw pie charts
The mean