Year 6 Long Term Overview Spring Term

Week	Objective (+20-30 minutes of revision daily)
1	**Angles** • Draw and measure angles using a protractor (year 5) • Revise acute, obtuse, reflex angles and angles in turns (year 5) • Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles in triangles, quadrilaterals and regular polygons
2	**Properties of Shape** • Draw 2D shapes using given dimensions and angles • Compare and classify shapes based on properties • Illustrate and name parts of circles (radius, diameter (2xr), circumference)
3	**Perimeter** • (year 5) recap measure and calculate the perimeter of composite linear shapes in cm and m
4	**Area** • Calculate the area of parallelograms and triangles • Recognise when it is possible to use formulae for area
5	**Area/Perimeter investigations and applying** • Recognise that shapes with the same area can have different perimeters and vice versa
6	**3D shape / volume** • Recognise, describe and build simple 3D shapes, including making nets • Recognise when it is possible to use formulae for volume • Estimate, compare and calculate the volume of cubes and cuboids using cm3 and m3 and extending to other units eg mm3 and km3.
Half Term	
7	**Graphs/tables/averages/pie charts** • Construct and interpret pie charts and line graphs and use these to solve problems • Calculate and interpret the mean as an average
8	**Co-ordinates/translation/reflection** • Describe positions on the full coordinate grid (all 4 quadrants) • Draw and translate shapes on the coordinate plane, and reflect them in the axes
9	**Order of operations (BODMAS)** • Use their knowledge of the order of operations • [non-stat] Explore the order of operations using brackets
10	**Algebra** • Use simple formulae • Generate and describe linear number sequences • Express missing number problems algebraically • Find pairs of numbers that satisfy an equation with two unknowns • Enumerate possibilities of combinations of two variables
11	**Ratio & Proportion** • Solve problems involving the relative sizes of two quantities where the missing values can be found using multiplication and division facts • Solve problems involving similar shapes where the scale factor is known or can be found • Solve problems involving unequal sharing or grouping using knowledge of fractions or multiples
12	**Assess & Review**