Year 6 medium term plan spring

Strand	Year 6
Number: Number & Place Value	Find the difference between a positive and a negative integer, or two negative integers, in the context such as temperature or a number line. Order a set of positive and negative integers. Round a number with two decimal places to the nearest tenth or nearest whole number. Recognise multiples up to 10 x 10. Find sample common multiples. Know tests of divisibility. Recognise primes to at least 20. Find prime factors. Investigate products of odd/even numbers. Make general statements about them and give examples. Solve number puzzles and explain methods and reasoning. Develop calculator skills and use a calculator effectively.
Number: Addition & Subtraction	Consolidate all previous work. Extend written methods to column + and - of numbers involving decimals. Use all four operations to solve word problems involving money or 'real life' or measurement. Choose appropriate operations/calculation methods. Explain working. Check by adding in reverse order, including with a calculator.
Number: Multiplication & Division	Use brackets. Use factors. Use closely related facts. Partition, e.g. 87 x 6, 3.4 x 3. Extend written methods to short division of TU or HTU (mixed number answer) and of decimals. Use all four operations to solve word problems involving money or 'real life', including £ to foreign currency and vice versa. Choose appropriate operations/calculation methods. Explain working.

	Check with equivalent calculation, and tests of divisibility.
Number: Fractions	Order fractions by converting to common denominator, and position them on a number line. Use fractions as ‘operators’; find fractions of numbers and quantities. Order mixed set of numbers or measurements with up to three decimal places.
Measurement	Use formula for area of rectangle. Calculate the area of a shape formed from rectangles, including using a calculator with memory. Use, read and write standard metric units of mass, and abbreviations. Know relationships. Convert larger to smaller units, and vice versa. Know appropriate metric equivalents for pounds (lb) and ounces (oz). Suggest suitable units and equipment to estimate or measure mass. Read measurements from scales. Use all four operations to solve measurement word problems. Choose appropriate operations/calculation methods. Explain working.
Geometry: Properties of Shapes	Make shapes with increasing accuracy. Visualise 3-D shapes from 2-D drawings. Identify nets of closed cube. Recognise, estimate and order acute and obtuse angles. Use protractor to measure and draw acute/obtuse angles to 1° . Check angle sum of triangle is 180°. Calculate angles in triangle or around a point. Recognise where shape will be after 90° rotation about vertex. Recognise and explain patterns and relationships, generalise and predict.
Geometry: Position & Direction	
Statistics	Represent, extract and interpret data in a line graph (e.g. graph to convert miles to kilometres). Recognise that intermediate points have meaning.