Maths –
Whole School Overview

SILVERDALE PRIMARY ACADEMY
Becoming the Ultimate...

Year group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	Numbers to 10 Shape	Numbers to 20 Patterns	Shape & Space Working with numbers to 10	Time Doubling & Halving	Measures Addition & Subtraction	Problem Solving Consolidation
1	Number & Place Value	Addition & Subtraction	Multiplication & Division	Shape Position & Direction	Fractions	Time Consolidation
2	Number & Place Value	Addition & Subtraction	Multiplication & Division	Fractions Shape	Shape SATs Consolidation	Position & Direction Statistics
3	Number & Place Value	Addition & Subtraction	Multiplication & Division	Fractions	Time	Shape Position & Direction
4	Number & Place Value	Addition & Subtraction	Multiplication & Division	Fractions & Decimals Statistics	Time	Shape Position & Direction
5	Number & Place Value	Addition & Subtraction	Multiplication & Division	Fractions, Decimals & Percentages	Time Statistics	Geometry Consolidation
6	Number & Place Value	Fractions & Decimals Statistics	Algebra Shape	Revision	SATs Statistics	Investigations

Addition & Subtraction

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Progressive Skills		Read and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs. Write mathematical statements involving addition (+), subtraction (-) and equals (=) signs. **Represent and use number bonds within 20.** **Represent and use subtraction facts within 20.** Add one-digit and two-digit numbers to 20, including zero. Subtract one-digit and two-digit numbers to 20, including zero. Solve one-step problems that involve addition, subtraction and missing numbers	**Solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures.** **Solve problems with addition and subtraction, applying his/her increasing knowledge of mental and written methods.** **Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.** Add and subtract numbers using concrete objects, pictorial representations, and mentally, including a two-	**Add and subtract numbers mentally, including a three-digit number and ones.** **Add and subtract numbers mentally, including a three-digit number and tens.** **Add and subtract numbers mentally, including a three-digit number and hundreds.** Add numbers with up to three digits using the formal written method of columnar addition. Subtract numbers with up to three digits using the formal written method of columnar subtraction.	Add numbers with up to 4 digits using the formal written method of columnar addition. Subtract numbers with up to 4 digits using the formal written method of columnar subtraction. Estimate and use inverse operations to check answers to a calculation. **Solve addition and subtraction two-step problems in context, deciding which operations and methods to use and why.**	**Add and subtract whole numbers with more than 4 digits, using formal written methods (columnar addition and subtraction).** **Add and subtract numbers mentally with increasingly large numbers.** Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy. **Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.**	Perform mental calculations with mixed operations to carry out calculations involving the four operations. Solve multi-step problems in contexts, deciding which operations and methods to use and why. Solve problems involving addition and subtraction. Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.

		using concrete objects and pictorial representations.	digit number and ones. Add and subtract numbers using concrete objects, pictorial representations, and mentally, including a two-digit number and tens. Add and subtract numbers using concrete objects, pictorial representations, and mentally, including two two-digit numbers. Add and subtract numbers using concrete objects, pictorial representations, and mentally, including adding three one-digit numbers. Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot. Recognise and use the inverse relationship	Estimate the answer to a calculation and use inverse operations to check answers. Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.			

			between addition and subtraction and use this to check calculations and solve missing number problems.				