Hart Side Curriculum 2022-23

	Mathematics Curriculum – Year 3 Autumn		
Unit:	**Number: Place Value**	**Number: Addition and Subtraction**	**Number – multiplication and division**
Term:	**Autumn 1: 3 Weeks**	**Autumn 1: 5 Weeks**	**Autumn 2: 4 Weeks**
What We Will Learn	Children will build on their understanding of tens and link this to 100. They will have the opportunity to explore 100 explicitly. They will do this through using a variety of concrete equipment to help understand the relationship. Pupils will practice counting in 100's. They will use a base of ten to help them become familiar with any number up to 1,000.	Pupils will have the opportunity to add numbers greater than 100 they will apply their prior knowledge of adding and subtracting ones and tens to adding and subtracting multiples of 100. Children will have access to a range of manipulative and pictorial representations throughout so that the pupils can see and understand the value of the digits.	Pupils will focus on finding equal groups, They will recap on 2,5 and 10 times table and explore the3, 4 and 8 times tables. Pupils will link their counting with real life experiences. They will use arrays and number tracks to help them explore and calculate multiplications statements.
What We Will Do	Identify, represent and estimate numbers using different representations. Find 10 or 100 more or less than a given number; recognise the place value of each digit in a three digit number (hundreds, tens and ones). Compare and order numbers up to 1000 Read and write numbers up to 1000 in numerals and in words. Solve number problems and practical problems involving these ideas. Count from 0 in multiples of 50 and 100	Add and subtract numbers mentally, including: a three digit number and ones; a three-digit number and tens; a three digit number and hundreds. Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction. 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.	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) signs. Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in context. Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.
Skills Learned	Pupils will further develop their knowledge in number and place value they will recognise the value of a digit based on its location within a number and learn that a 3 digit number is made up of 100's, 10's and 1's.	Pupils will begin to develop their knowledge with addition and subtraction and understand the relationship between numbers and how quantities relate to one another.	Pupils will build on prior knowledge and will learn to identify the difference between columns and rows. They will gain fluency and know basic definitions for multiplication.

	Mathematics Curriculum – Year 3 Summer		
Unit:	**Number - Fractions**	**Time**	**Properties of shape**	**Mass and capacity**
Term:	**Summer 1: 3 Weeks**	**Summer 1: 3 Weeks**	**Summer 2: 2 Weeks**	**Summer 2: 3 Weeks**

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Mathematics Curriculum – Year 3 Spring

		Number – multiplication and division	Measurements Money	Statistics	Length and perimeter	Fractions
Unit Te...		*Spring 1 - 3 Weeks*	*Spring 1 - 1 Week*	*Spring 1 - 2 Weeks*	*Spring 2 - 3 Weeks*	*Spring 2 - 2 Weeks*
What We Will Learn		*(overlapping text – illegible)*	*(overlapping text – illegible)*	*(overlapping text – illegible)*	*(overlapping text – illegible)*	*(overlapping text – illegible)*
What We Will Do		*(overlapping text – illegible)*	*(overlapping text – illegible)*	*(overlapping text – illegible)*	*(overlapping text – illegible)*	*(overlapping text – illegible)*
Skills Learned		*(overlapping text – illegible)*	Pupils will further develop their understanding of time they will understand the durations of time using both analogue and digital clocks.	Pupils will further develop vocabulary and fluency they will identify properties including lines, symmetry and length of the shape.	*(overlapping text – illegible)*	*(overlapping text – illegible)*
Skills Learned		Pupils will further develop their fluency and know basic definitions for multiplication.	Pupils will further develop and gain fluency in written techniques for all of the four operations within this unit.	Pupils will further develop the understanding of patterns and relationships, including sorting and categorising, representation of a key/symbol and its value.	Pupils will build on prior knowledge of measuring in standard unit mm and they will become familiar with a range of measuring devices. They be able to recall their knowledge of shape and identify properties of 2D shapes.	Pupils will further develop their knowledge of number by using the mathematical language of numerator, denominator and what these represent. Pupils will extend and recall their knowledge of the whole and halves to quarters, thirds of shapes, objects and quantities.

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