Harrietsham Church of England Primary School

Maths Framework – Year 3

Autumn	Spring	Summer
Number: Place Value I can find 1, 10 or 100 more or less than a given number. I can recognise the place value of each digit in a three-digit number (hundreds, tens, ones). I can compare and order numbers up to 1000.	**Number: Multiplication and Division** I can count from 0 in multiples of 50 and 100 to 1000. I can recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. I can write and calculate mathematical statements for multiplication and division using the multiplication tables I know (including for two-digit times one-digit numbers). I can write and calculate mathematical statements for multiplication and division using the multiplication tables I know (including for two-digit times one-digit numbers) with exchange.	**Number: Fractions** I can recognise and show equivalent fractions with small denominators (using diagrams). I can compare and order unit fractions and fractions with the same denominator. I can add and subtract fractions with the same denominator within one whole (5/7 + 1/7 = 6/7).

Number: Addition and Subtraction	Number: Fractions	Geometry: Properties of Shapes
I can add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds. I can add and subtract with up to three digits, using formal written methods of column addition and subtraction crossing 10 and 100 (exchanging). I can estimate the answer to a calculation and use the inverse operation to check answers.	I can count up and down in tenths and can recognise that tenths arise from dividing an object into ten equal parts and in dividing one-digit numbers or quantities by ten. I can recognise and use fractions and numbers (unit fractions and non-unit fractions). I can recognise, find and write fractions of a discrete set of objects (unit and non-unit fractions).	I can recognise angles as a property of shape OR a description of a turn (e.g. two right angles = a half turn). I can identify right angles and angles that are greater or less than a right angle. I can identify horizontal, vertical, parallel and perpendicular lines. I can draw 2D shapes and construct 3D shapes. I can recognise 3D shapes in different orientations and describe them.
Number: Multiplication and Division	Number: Multiplication and Division	Measurement: Time
I can count from 0 in multiples of 50 and 100. I can recall and use multiplication and division facts for the 3 times table. I can write and calculate mathematical statements for multiplication and division using the multiplication tables I know. (10s,2s,5s,3s).	I can count from 0 in multiples of 50 and 100 to 1000. I can recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. I can write and calculate mathematical statements for multiplication and division using the multiplication tables I know (including for two-digit times one-digit numbers). I can write and calculate mathematical statements for multiplication and division using the multiplication tables I know (including for two-digit times one-digit numbers) with exchange.	I can estimate and read time with increasing accuracy to 5 minute intervals. I can tell and write time from an analogue clock using the 12-hour and 24-hour clock. I can record and compare time in terms of seconds, minutes and hours. I know the number of seconds in a minute, number of days in each month, year, leap year. I can compare the duration of events.

		Number: Fractions I can count up and down in tenths and can recognise that tenths arise from dividing an object into ten equal parts and in dividing one-digit numbers or quantities by ten. I can recognise and use fractions and numbers (unit fractions and non-unit fractions). I can recognise, find and write fractions of a discrete set of objects (unit and non-unit fractions).	**Measurement: Mass** I can find the equivalent mass in kg/g. I can measure and compare mass (kg/g). I can add and subtract mass.
		Statistics I can interpret and present data using: bar charts, pictograms and tables. I can solve one-step and two-step questions using information presented in scaled bar charts, pictograms and tables. I can find the difference between two numbers plotted on a bar chart, pictogram or table. e.g. How many more children chose…. than ….	**Measurement: Capacity** I can find the equivalent volume/capacity in ml/l. I can measure and compare volume/capacity (ml/l). I can add and subtract volume and capacity.
		Measurement: Money I can convert pounds and pence. I can add and subtract amounts of money to give change, using both £ and p, in practical contexts. **Measurement: Length and Perimeter** I can find the equivalent length in m, cm and mm. I can measure and compare length (m/cm/mm). I can add and subtract length. I can measure the perimeter of simple 2D shapes.	