Maths Matrix
Zetland Primary School

Year Group: Y1

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topics and Objectives	**Number and Place Value** • Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number. • Count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens. **Place Value** • Given a number, identify one more and one less. • Identify and represent numbers using objects and pictorial representatio	**Geometry of shape** • Recognise and name common 2-D and 3-D shapes, including: 2-D shapes (e.g. rectangles (including squares), circles and triangles) • *3-D shapes (e.g. cuboids (including cubes), pyramids and spheres).* **Place Value (within 20)** • Read and write numbers from 1 to 20 in numerals and words. • Write numbers 11-20 • Compare numbers and groups 11-20 • Order groups and numbers 11-20	**Addition and Subtraction (within 20)** • Represent and use number bonds and related subtraction facts within 20. • Add and subtract one-digit and two-digit numbers to 20, including zero. • , Find and make number bonds • Making 10 • Subtract crossing 10 and not crossing 10 • Related facts **Place Value (within 50)** • Represent numbers to 50 • One more and one less • Compare objects and	**Length and Height** • Compare, describe and solve practical problems for: lengths and heights (e.g. long/short, longer/shorter, tall/short, double/half) ***Weight and Volume*** • mass/ weight (e.g. heavy/light, heavier than, lighter than) • capacity/volume (e.g full/empty, more than, less than, half, half full, quarter) • Measuring and begin to record mass/weight and volume/capacity	**Multiplication and Division** • Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher. • Count in 2s, 5s and 10s • Make and add equal groups • Make doubles • Make equal groups- grouping • Make equal groups- sharing • Make arrays **Fractions**	**Place value (within 100)** • Count forwards and backwards within 100 • Compare and order numbers • One more, one less • Partitioning numbers **Measurement (Money)** • Recognise and know the value of different denominations of coins and notes. **Measurement (Time)** • Sequence events in chronological order using language (e.g. before and

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	ns including the number line, and use the language of: equal to, more than, less than (fewer), most, least. **Addition and Subtraction (within 10)** • Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs. • Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = □ - 9.		numbers within 50 • Order numbers within 50 • Count in 2s and 5s • Tens and ones to 50	• Compare and measure mass • Measure and compare capacity and arrange combinations of mathematical objects in patterns and sequences • use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anticlockwise. **Statistics**	• Recognise, find and name a half as one of two equal parts of an object, shape or quantity. • Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity. **Geometry (position and direction)** • Describe position, direction and movement, including whole, half, quarter and three-quarter turns.	after, next, first, today, yesterday, tomorrow, morning, afternoon and evening). • Recognise and use language relating to dates, including days of the week, weeks, months and years. • Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.

				• interpret and construct simple pictograms, tally charts, block diagrams and simple tables • ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity • ask and answer questions about totalling and comparing categorical data.		