Woodlands Park Primary and Nursery School
Curriculum Map – Maths

	Early Years	Key Stage One		Key Stage Two			
Term		**Year One**	**Year Two**	**Year Three**	**Year Four**	**Year Five**	**Year Six**
Autumn	**NURSERY** **Comparison (1-3 units)** More than, less than, same, compare & sort collections, match, sort & compare **Shape, space & measure (1-5 units)** Explore and build with shapes and objects, explore position and space, explore position and routes, match, talk, push and pull & start to puzzle **Pattern (1-5 units)** Explore repeats, join in with repeats, explore patterns, lead on own repeats & making patterns together **Counting (1-6 units)** Hear and say number names, begin to order number names, move and label 1, 2 & 3, take and give 1, 2 & 3, show me 5 and stop at 1, 2, 3, 4, 5 **Subitising (1-4 units)** I see 1, 2, 3, show me 1, 2, 3, talk about dots &	Numbers: Counting – sorting and counting, comparing numbers to 20 Number: Addition and Subtraction – part-whole model, addition facts, counting backwards – subtraction Geometry: Shape 2d and 3d shapes Numbers: Place Value tens and ones.	Number: Place value within 100, place value chart. Tens and ones. Part-whole model Number: Addition and subtraction – bonds to 20 and 100, adding and subtracting 2 and 1 digit numbers Measurement: Money Number: multiplication and division – making and adding = groups	Number: Place Value Represent numbers to 100, 1000, 100s, 10s and 1s, Number line to 1000 Count in 50s Number: Addition and Subtraction: + and – multiples of 100, 3 digit and 1 digit, add and subtract 100s Number: Multiplication and Division: 2,3,5 times tables, equal groups, divide by 2,5,10	Number: Place Value Represent numbers to 1000 – 100s, 10s and 1s, number line to 1000, round to nearest 100, partitioning, compare numbers. Number: Addition and Subtraction: add 2 three digit numbers, add 2 four digit numbers, subtract 3 digit number from 3 digit number, subtract 4 digit numbers, efficient subtraction. Measurement: Length and Perimeter: equivalent lengths, m and cm, mm and cm, kilometres, add and subtract lengths, perimeter on a grid, perimeter of a rectangle Number: Multiplication and Division multiply and divide by 1, 0, 10, 100, 3, 6,9,7. 3,6,9 and 7 times tables.	Number: Place Value: 1000s, 100s, 1s, rounding to nearest 10, 100 and 1000, numbers to 10,000. Compare and order numbers to 100,000 numbers to 1000,000, negative numbers, Roman numerals to 1000 Number: Addition and Subtraction: Add and subtract two 4 digit numbers, column method, inverse operations, multi-step addition and subtraction problems. Statistics: Interpret charts, introduce line graphs, read and interpret tables, two way tables, timetables Number: Multiplication and Division: multiples, factors, common factors, prime numbers, square and cube numbers. Multiply and divide by 10, 100, 1000	Number: Place Value: numbers to 10,000, 100,000, 1,000,000 and 10,000,000, round numbers, negative numbers Number: Addition and Subtraction:, multiplication and division: add whole number with more than 4 digit, inverse operations, multiply 4 digit by 1 digit, digits by 2 digits, 3 digits by 2 digit, divid 4 digits by 1 digit. Divide with remainders, short division, division using factors Number: Fractions: equivalent fractions, simplify fractions, improper fractions to mixed numbers, fractions on a number line, add and subtract fractions, add and subtract mixed numbers, multiply and divide fractions by integers, four rules with fractions, fractions of an amount – find the whole.

	make games and actions **RECEPTION** Number and Place Value: Numbers to 5 Addition and Subtractions: sorting into groups Number and Place Value: comparing groups comparing quantities of identical objects and non-identical objects. Addition and Subtractions: Change within 5 – one more/one less Measurement: Time – my day					Measurement: Perimeter and Area: measure perimeter, calculate perimeter, area of rectangles and irregular and compound shapes.	Geometry: Position and Direction: The first quadrant, four quadrants, translations, reflections
Spring	**RECEPTION** Addition and Subtraction: Numbers to 5 – introducing zero, number bonds to 5 Number and Place Value: Numbers to 10 – counting to 6,7 and 8, counting to 9 and 10, comparing groups up to 10 Addition and subtraction: Addition to 10 – combining two groups to find the whole, number bonds to 10 – ten frame, number bonds to 10 – part-whole model Geometry: Shape and Space – spatial awareness, 3d and 2d shapes	Number: Addition and Subtraction within 20 find and make number bonds subtraction not crossing ten and crossing ten. Number: Place Value within 50, represent and compare numbers within 50. Count in 2s and 5s Measurement: Length and Height – comparing lengths and heights. Measurement: Weight and Volume – introduce mass and weight, capacity and volume, measure and compare.	Number: Multiplication and division – working with = groups, making doubles, 2 and 5 times tables. Dividing by 2 and 5, odd and even numbers Statistics: Tally charts, pictograms, block diagrams. Geometry: Properties of shapes – sides, vertices, edges, patterns Number: Fractions – equal parts, half, quarter, third, unit and non-unit fractions.	Number: Multiplication and Division: consolidate 2,4 and 8 times tables, related calculations, multiply and divide 2 digit by 1 digit, scaling Measurement: Money: count money pence and pounds, convert pounds and pence, add and subtract and give change Statistics: make tally charts, draw and interpret pictograms, bar charts and tables. Measurement: Length and Perimeter: measure length m and cm, compare lengths, add and subtract lengths, measure and calculate perimeter	Number: Multiplication and Division: 11 and 12 x table, multiply 3 numbers, factor pairs, written method, multiply and divide 2 digit by 1 digit. Measurement: Area: counting squares, making shapes and comparing area Number: Fractions: unit and non unit fractions, tenths, equivalent fractions, fractions greater than one, count in fractions and add fractions. Number: Decimals: recognise 10ths and 100ths, tenths as	Number: Multiplication and Division: multiply and divide by 2,3,4 digits by 1 digit. Number: Fractions: What is a fraction, equivalent fractions, improper fractions, add and subtract fractions. Number: Decimals and Percentages: decimals up to 2 decimal points, decimals as fractions, understand thousandths, thousandths as decimals, rounding order and compare decimals, understand percentages.	Number: Decimals decimals up to 2 decimal place, understand thousandths, three dec places, multiply by 10,100,1000, divide by 10, 100, 1000. Multiply decimals by integers, divide decimals by integers, division to solve problems, decimals as fractions, fractions to decimals Number: Percentages Understand percentages, fractions to percentage, equivalent FDP, order FDP, percentage of amounts, missing values

				Number: Fractions: make = parts, recognise half, quarter, third, unit fractions, non-unit fractions, count in fractions	decimals, place value grid, on a number line, divide 1 and 2 digist by 10, hundredths as decimals, on a place value grid. Divide 1 or 2 digits by 100.	Percentages as fractions and decimals.	Number: Algebra Find a rule – one and two step, forming expressions, substitution, formulae, forming equations, solve simple one step and two step equations, find pairs of values, enumerate possibilities Measurement: Converting Units metric measures, convert metric measures, calculate with metric measures, miles and km, imperial measures Measurement: Perimeter, area and volume: Shapes, area and perimeter, area of a triangle, area of a parallelogram, volume, volume of a cuboid. Number: Ratio: ratio language, ratio symbol, scale factors,
Summer	**RECEPTION** Geometry: Exploring patterns – making simple patterns, exploring more complex patterns Addition and Subtraction: adding by counting on and taking away counting back Number and Place Value: Numbers to 20 – counting to 20 Multiplication and	Number: Multiplication and Division – counting in 2s, 5s, arrays, doubles, equal groups – grouping and sharing Number: Fractions – finding half and quarter Geometry: Position and Direction Number: Place Value within 100 Measurement: Money – recognising coins and notes	Measurement: Length and Height – compare and measure, order lengths. Geometry: Position and Direction. Movements and turns. Measurement: Time – hour, quarter and half past, writing time, comparing durations.	Number: Fractions: making whole, tenths, tenths as decimals, fractions of sets of objects, equivalent fractions, compare and order fractions. Add and subtract fractions. Measurement: Time: O clock and half past, quarter past and to. Months and years, hours in a day, telling time to 5 mins, 24 hour clock, durations.	Number: Decimals: bonds to 10 and 100, make a whole, write and compare decimals, order decimals, round decimals, halves and quarters Measurement: Money: pounds and pence, ordering and adding money, subtract and find change, 4 operations Measurement: Time: telling time to 5	Number: Decimals: adding and subtracting decimals with 1, crossing the whole, subtracting decimals with same number of decimal places. Decimal sequences, multiplying decimals by 10,100 and 1000 Geometry: Properties of Shape: identify and compare angles, using a protractor, calculating angles,	Statistics: Read and interpret line graphs, use line graphs to solve problems, circles, read and interpret pie charts, pie charts with percentages, draw pie charts, the mean Geometry: Properties of Shape: Measure with a protractor, draw lines and angles, angles on a straight line, angles around a point,

	Division: Numerical patterns – doubling, halving and sharing, odds and evens Measurement – measure length, height and distance, weight and capacity	Measurement: Time – before and after, dates, hour/half hour writing and comparing time		Geometry: Properties of Shape: turns and angles, right angles, compare angles, parallel and perpendicular, recognise 2 and 3d shapes. Measurement: Mass and Capacity: compare and measure mass, volume, capacity, temperature	minutes and one minute, am and pm, 24 hr clock, hours, minutes, seconds, years, months, weeks and days. Analogue to digital 12 and 24 hr. Statistics: Interpret charts, comparison, sum and difference, line graphs Geometry: Properties of Shape: Turns and angles, right angles, recognise and describe 2d shapes, quadrilaterals, lines of symmetry Geometry: Position and Direction: Describe position, draw on grid, move on grid.	triangles, quadrilaterals Geometry: Position and Direction: describe position, draw on a grid, translation, reflection Measurement: Converting Units: Kilometres, Kilograms, mm and ml metric units, converting units of time, timetables. Measurement Volume: Compare and estimate volume and capacity.	calculate angles, angles in a triangle, nets of 3d shapes