

Number – Place Value						
Early Years	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
number count one more/less odd/even few/many pattern pair ones, tens digit equal to estimate same different numeral subitise enough compare order/ordinal before/after/last next/between fewer/smaller /less more/larger/ bigger/greater most/biggest/ largest/greatest	numeral sort forwards backwards sort represent multiples partitioning ones tens roughly equal to equivalent to most/least multiple of quantity number line half-way between above below	count in steps hundreds one, two, three digit number place value represents exchange facts exact approximate inverse operation commutative groups of times/multiply repeated addition divide share/share equally row/ column estimate compare value	ascending descending 10/100 more or less hundreds factor of relationship interval round nearest place holder	integer negative numbers positive 1000 more 1000 less thousands round integer roman numerals above/below zero minus	integer less than or equals to $\geq$ greater than or equals to $\geq$ ten thousand one hundred thousand powers of decimal point	millions ten millions degree of accuracy level of accuracy decimal point

Northstead Maths Vocabulary Progression

Addition and Subtraction						
Early Years	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
add more plus altogether total sum number bonds take away/minus part whole digit double left over fewer/less difference between how many more to make...?	addition/add subtraction difference equals facts problems 2-digit number inverse near double half/halve plus number bond/pair missing number difference ones tens	sum 3-digit number commutative one hundred more one hundred less facts tens boundary inverse operation value	column addition column subtraction exchange estimate evaluate hundred boundary	4-digit number operations methods digit total equivalent expression efficient method	ones boundary tenths boundary	

Northstead Maths Vocabulary Progression

Multiplication and Division						
Early Years	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
double half twice as many equal unequal share group odd/even number patterns	multiplication multiply multiple division grouping divide arrays number sentence	multiplication tables/facts commutative repeated addition groups of times once, twice... ten times. divide (by, into) share equally left/left over each row, column inverse operation	exchange mathematical statements missing number problems derived facts factor common factor product remainder multiple scaling/scale divisible evaluate short multiplication	factor pairs formal written division remainders inverse operation digit total factor pair efficient method	multiples factors prime number square number cube number short division product operations divisible long multiplication power of 10	multiple-digit numbers long division order of operation

Fractions, decimals and percentages & Ration and Proportion						
Early Years	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
parts of a whole half quarter	fraction equal parts equal grouping whole half quarter	three quarters thirds equivalent fractions unit/non unit fractions numerator denominator one whole one of three equal parts.	tenths sixths, sevenths, eighths, tenths... decimal	decimal equivalence hundredths convert improper fractions decimal point mixed number fractions unit/non unit fractions	fifth thousandths mixed numbers percent % percentages factors integer simplify	ratio scale factor relative size percent % percentages missing values

Northstead Maths Vocabulary Progression

Algebra						
Early Years	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	missing number problems solve problems	inverse operation missing number problems			formula	formulae linear number sequence expression equation substitute unknowns combinations brackets variables

Measurement (Length)						
Early Years	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
measure wide/r narrow/er compare long/er/est short/er/est length size estimate close to/nearly too many/few long, short, tall far, near, close	compare measurement measuring tools centimetre cm metre m ruler metre stick	standard units estimate order record results centi- centimetre cm metre m further tape measure	milli- millimetre mm perimeter approximately kilometre, mile distance convert	kilometres km area metric unit breadth edge area, covers square centimetre cm <sup>2</sup>	imperial unit square metre m <sup>2</sup> square millimetre (mm <sup>2</sup> )	yard, foot, feet, inch, inches circumference

Measurement (height, weight and capacity)

Early Years	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
heights long(er)/short(er) tall(er)/short(er) weight capacity heavy/light heavier/lighter big(er)/est full/empty more than less than half/half full balance container	mass volume capacity	kilo- kilogram kg gram g quarter full three quarters full litres l millimetres ml temperature celsius contains maximum value minimum value		measuring cylinder	cubic centimetre pounds pints	cubic metre cubic millimetre cubic kilometre gallons stones ounces tonne

Statistics

Early Years	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
count/sort group list	vote table diagram data	tally/tally chart graph pictogram frequency represent label/title category sorting totalling comparing horizontal/vertical popular common	chart/table carroll diagram venn diagram axis interpret bar chart	time graph discrete data continuous data line graph comparison difference interpret calculate survey/ questionnaire	timetable two-way tables maximum value minimum value outcome	pie chart mean average statistics distribution

Northstead Maths Vocabulary Progression

Measurement (money)						
Early Years	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
money coin penny, pence, pound price cost buy sell pay spend/spent	change cost more/less cheap total notes pound £ pence p	value change bought sold currency		estimate compare problem solve	discount	profit loss
Measurement (Time)						
Early Years	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
time/clock/watch quicker/slower earlier/later before/after first, second... today, yesterday, tomorrow morning, afternoon, evening day, week, month hour, minutes before, next birthday/holiday	chronological order days of the week months of the year o'clock half past seconds hour hand, minute hand always, sometimes never, often, usually seasons – winter, spring, autumn, summer	intervals of time quarter past/to duration fortnight digital analogue timer	analogue clock roman numerals 12-hour clock 24-hour clock a.m/p.m noon midnight leap year digital century	convert millennium date of birth arrive depart timetable		greenwich mean time british summer time

Northstead Maths Vocabulary Progression

Geometry – Properties of Shape and angles

Early Years	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
2d shapes two dimensional 3d shapes three dimensional rectangle square circle triangles characteristics cuboid cone cube sphere curved straight flat solid/hollow size face, edge, vertex, vertices	sides corner properties pyramids faces symmetry symmetrical line point cylinder	pentagon hexagon lines of symmetry cylinder surface rectangular circular triangular octagon kite	right-angle triangle heptagon octagon polygon prism perimeter pentagonal hexagonal octagonal quadrilateral kite right-angle parallel perpendicular hemisphere prism/triangular prism curved surface acute, obtuse angles turn, half turn, quarter turn horizontal/vertical lines	isosceles equilateral scalene trapezium rhombus parallelogram kite geometric shapes quadrilateral spherical cylindrical rectilinear polygon reflection	regular polygon irregular polygon axis of symmetry cross section quadrant reflex angles degrees angles around a point missing angles	radius diameter circumference dimensions intersect net

Northstead Maths Vocabulary Progression

Geometry – Position and direction

Early Years	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
over/under between around through on/into next/behind beneath order repeat patterns direction left/right/up/ down along/through to/from/away/ towards movement whole turn half turn	position direction movement whole turn quarter turn three-quarter turn centre journey	clockwise/anti- clockwise straight line rotation arrange sequences route higher/lower	compass point north/n south/s east/e west/w horizontal vertical diagonal	north-east ne north-west nw south-east se south-west sw translate translation symmetry degree reflection compass co-ordinates grid plot first quadrant polygon axis	reflection protractor translation	four quadrants co-ordinate plane