Heytesbury Maths Vocabulary Progression Document

Number – Number and place value						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
count	sort	count in steps	ascending	negative numbers	ten thousands	millions
subitise	represent	count in multiples	descending	roman numerals	one hundred thousands	ten millions
order	multiples	place value	10 or 100 more	1000 more	powers of	
compare	partitioning	estimate	10 or 100 less	1000 less	integer	
forwards	ones	compare	hundreds	thousands		
backwards	tens			round		
numerals						
digit						
one more						
one less						
equal to						
more than						
less than						

Addition and Subtraction						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
add	addition	sum	column addition	4-digit number		
plus	subtraction	3-digit number	column subtraction	operations		
altogether	difference	commutative	exchange	methods		
total	equals		estimate			
take away	facts					
minus	problems					
number bonds	missing number problems					
part	2-digit number					
whole	inverse					
digit						

Multiplication and Division						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
double	multiplication	multiplication tables	exchange	factor pairs	multiples	multi-digit numbers
half	division	commutative	mathematical statements	formal written layout	factors	long division
twice as many	arrays	repeated addition	missing number problems	distributive law	prime numbers	
equal			integer scaling problems	remainders	square numbers	
unequal			correspondence problems		cube numbers	
share			derived facts		short division	
group					product	
odd					dividend	
even					divisor	
					quotient	
					operations	

Fractions/Decimals/ Percentages						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	whole	three-quarters	tenths	decimal equivalent	fifth	
	half	third		hundredths	thousandths	
	quarter	equivalent fractions		convert	missed numbers	
	equal parts	unit fractions		proper fractions	per cent %	
		non-unit fractions		improper fractions	factors	
		numerator		decimal point	integer	
		denominator			complements	
		one whole				

Ratio and Proportion						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
						relative size
						missing values
						integer multiplication
						percentages
						scale factor
						unequal sharing & grouping

Algebra						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
						formulae
						linear number sequences
						algebraically
						equation
						unknowns
						combinations
						variables

Measurement (Measure and Length)						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
measure	compare	standard units	millimetre (mm)	kilometres (km)	decimal notation	conversion
wide		estimate	perimeter	rectilinear figure	scaling	miles
wider		order		area	metric units	formulae
narrow		record results			imperial units	parallelograms
narrower		centimetre (cm)			inches	feet
compare		metre (m)			compound shape	
long					irregular shapes	
longer					square centimetres	
longest					square metres	
short						
shorter						
shortest						
length						

Measurement (Height, Weight and Capacity)						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
height	mass	kilogram (kg)			cubic centimetre	cubic metre
weight	volume	gram (g)			pounds	cubic millimetre
capacity		quarter full			pints	cubic kilometer
more than		three quarters full				gallons
less than		litres (l)				stones
long		milliletres (ml)				ounces
longer		temperature				
longest		celsius				
short						
shorter						
shortest						
compare						
measure						
heavier						
lighter						
half full						
full						

Measurement (Time)						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
time	chronological order	intervals of time	analogue clock	convert		
quicker	days of the week	quarter past	roman numerals			
slower	months of the year	quarter to	12-hour clock			
earlier	month	duration	24-hour clock			
later	year		AM/PM			
before	o'clock		noon			
after	half past		midnight			
first	second		leap year			
next			digital			
today						
yesterday						
tomorrow						
morning						
afternoon						

evening						
day						
week						
hour						
minutes						

Measurement (Money)						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	money	value				
	coins	change				
	notes					
	pounds (£)					
	pence (p)					

Geometry (Properties of Shapes)						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
2-D shapes	sides	pentagon	right-angle triangle	isosceles	regular polygon	diameter
recntangle	corners	hexagon	heptagon	equilateral	irregular polygon	radius
square	properties	line of symmetry	octagon	scalene	reflex angles	circumference
circle	pyramids	properties	polygon	trapezium	degrees	dimensions
triangle	faces	cylinder	properties	rhombus	one whole turn	
characteristics		edges	prism	parallelogram	angles on a straight line	
3-D shapes		vertices	angles	kite	angles around a point	
cuboids		vertex	acute angles	geometric shapes	vertically opposite	
cubes			obtuse angles	quadrilaterals	missing angles	
cone			turn			
spheres			right angles			
curved			half turn			
straight			three quarters of a turn			
flat			greater than a right angle			
			less than a right angle			
			horizontal lines			
			vertical lines			
			perpendicular lines			
			parallel lines			

Geometry (Position and direction)						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
over	position	clockwise		co-ordinates	reflection	four quadrants
under	direction	anti-clockwise		first quadrant		co-ordinate plane
between	movement	straight line		grid		
around	whole turn	rotation		translation		
through	quarter turn	arrange		plot		
on	half turn	sequences		polygon		
into	three-quarter turn			axis		
next to						
behind						
beneath						
order						
repeat						
patterns						
on top of						

Statistics						
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
		pictograms	table	time graph	timetable	pie chart
		tally chart	bar chart	discrete data	two-way tables	mean
		block diagram	one-step problem	continuous data		
		category	two-step problem	line graph		
		sorting		comparison problem		
		totaling		sum problem		
		comparing		difference problem		
		horizontal		calculate		
		vertical		interpret		