Fosse Mead Numeracy Vocabulary Document

At Fosse Mead Primary Academy (FMPA), we wish to ensure that children in our setting are exposed to a rich mathematical vocabulary throughout their education. To ensure that the language they experience is consistent and accurate, all teachers use the following document which builds new language into each year's curriculum.

The vocabulary is organised by topic area within mathematics which allows teachers to track back to the language used in previous years and ensure this is secure in the understanding of each pupil. Our aim is to foster a love and understanding of mathematics which will go with pupils into their later mathematical careers.

Vocabulary in EYFS

Foundation 1

quantity same total lots fewer sharing more less	in on inside under	long longer longest short shorter shortest	heavy light full empty round

Foundation 2

ones tens hundreds numeral number estimate order	double halve left add altogether subtract equals answer equal grouping	2D 3D corner side face pattern	beside inbetween compare	pound £ pence change length height weight capacity distance

Vocabulary in KS1 and KS2

General mathematical vocabulary

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
fluency application problem solving reasoning numberline		columnar	operation units^2	squared ^{2} cubed ^{3}	algebra Pi

Number and Place Value

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
value multiple group equal to more than less than most least fewer digit partition odd even ordinal order between compare ones- units tens	tens ones- units hundred place holder numeral expand estimate inverse relationship	numeral figure whole number integer thousand decimal inverse operation	represent factorise factor pairs negative round roman numeral to C	prime prime factor hundred thousand million roman numeral to M equivalence power linear sequence	interval common factor common multiple multi-step

Addition and Subtraction

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
take away count on count back minus difference between total plus altogether amount	number bond inverse commutative practical visual mental calculate < >	sum switcher- inverse	calculate check	accuracy estimate round	formal context

Multiplication and Division

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
multiply	multiple	product	distributive	prime	interpret
divide	divisor	representation	factor	prime factor	remainder
array	lots	visual	factor pair	squared	
times	equal	remainder	factorise	cubed	mixed
groups of	unequal		divisable	equal	operations
share	left over			express	
physical	half as				BODMAS
double	twice as				estimation
halve	three times as				
pair					

Fractions (including decimals and percentages)

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
whole	numerator	order	hundredth	mixed	simplify
part	denominator	unit fraction	decimal	number	accuracy
piece	part-whole	non-unit	equivalent	thousandth	
fraction	sharing	fraction	proportion	percent	
half	grouping	compare	simplify	percentage	
quarter	third	fifth	decimal place		
equal	equivalent	sixth		decimal	
		seventh		equivalent	
		eighth			
		ninth		percentage	
		tenth		equivalent	
				mixed	
				number	
				improper	
				fraction	

Measurement

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Time	unit (of	Roman	area	metric	speed
o'clock	measure)	numeral	units²	imperial	mph
half past	amount	duration	convert	inch	km/h
quarter past	symbol	perimeter	dimensions	foot	m/s
quarter to		am/pm	24 hour clock	yard	formulae
clockwise	**Time**	noon		mile	
before	analogue	midnight		pound (lb)	
after	anticlockwise	analogue		pint	
hour	sequence	clock		formula	
minute	order	digital clock			
Mass	**Mass**				
weight	mass				
heavy					
light	**Length**				
balance	height				
kg/ g	width				
	millimetre				
Length					
cm/ m	**Capacity**				
longer	half full				
shorter	half empty				
distance	amount				
Capacity	**Temperature**				
volume	degrees				
full	celcius				
empty	hottest				
ml/ l	coolest				
	thermometer				
Money					
coin	**Money**				
note	price				
amount	cost				
£/ p	change				
	value				

Geometry- Properties of Shape

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
pattern	symmetry	orientation	geometric	diagonal	net
2D	symmetrical	degree	horizontal	reflex	radius
3D	prism	right angle	vertical	180°	diameter
rectangle	cone	acute angle	classify	360°	circumference
square	face	obtuse angle	isosceles		vertically
circle	compare	perpendicular	scalene		opposite
triangle	quadrilateral	parallel	equilateral		
cube	vertical		regular		complimentary
cuboid	horizontal		irregular		angles
sphere	polygon				
side					scaling
edge					
vertex					
corner					
point					
curved					
straight					

Geometry- Position and Direction

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
left	pattern	reflection	coordinate	X- axis	quadrants
right	sequence		quadrant	Y- axis	
top	turn		plot	reflection in	full
bottom	rotate		grid	axes	coordinate
turn	rotation		translate		grid
clockwise	angle		translation		
inside	right angle		axis/ axes		
outside			scale		
forwards					
backwards					

Statistics

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	data	frequency	collect	presentation	pie chart
	statistic	tally	display	line graph	mean
	information	total	graph	appropriate	average
	scale	interpret	discreet		data set
	read compare	categories	continuous		
	sort		label		
	organise				
	arrange				
	data handling				
	pictogram				
	tally chart				

Year 6 only

Ratio and Proportion	Algebra
relative size	symbol
scale factor	letter
proportion	formula
ratio	sequence
a:b	algebraic
	equation
	unknown
	variable
	constant
	generalise