

Dilton Marsh CofE Primary School
Early Years Foundation Stage
Mathematics Progression of Skills and Knowledge



Minimum Expectations for EYFS (Lime Class)			ELG	Links to KS1 Curriculum	
Number Counting	Counts beyond 10	Counts beyond 15	Counts beyond 20		
	Counts backwards from 10	Counts backwards from 15	Counts backwards from 20		
	Can recite many number songs using numbers to 10 and beyond and uses fingers or objects to show one-to-one correspondence while doing so. Uses number language in everyday contexts.				Verbally count beyond 20, recognising the pattern of the counting system
	Counts objects/actions/sounds beyond five. Understands that the last number tells you how many there are.	Counts objects/actions/sounds beyond 10 using one-to-one correspondence.			
	Subitise to three	Subitise to five	Make sensible guess of qualities within ten.		Subitise (recognise quantities without counting) up to 5.
	Number Recognition	Link numerals and amounts to 5+	Link numerals and amounts to 10+		Link numerals and amounts to 20
Orders numbers to 5		Orders numbers to 10	Order numbers to 20	Begin to recognise place value in numbers beyond 20 Identify and represent numbers using objects and pictorial representations	

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Number Sense	Partitions sets of objects using a part-part whole model, exploring composition to 3	Usually speaks using the correct tense			including the number line	
	Knows that when a ten frame is full there are 10 objects and when one row is complete there are 5		Understands that teen numbers are $10 + \underline{\quad}$			
	Recognises that after each unit of 10, we go back to 1 again	Recognises patterns such as 6, 7, 8 and 16, 17, 18	Can use the vocabulary of 'tens' and 'ones' to explain pattern			
	Knows that $5 + 5$ and $10 + 0$ make 10	Can recall some number bonds to 10	Can recall all number bonds to 10, explaining the pattern		Represent and use number bonds	
Number Graphics	Is able to write numbers 1-5	Can write numbers 1-10	Can write numbers 0-20		Read and write numbers from 1 to 20 in numerals (and words)	
	Compare numbers using 'more than', 'less than' 'fewer' 'equal to'		Children understand the difference between quantity and size		Use the language of: equal to, more than, less than (fewer), most, least	
Calculating	Children can find 1 more than	Children can find 1 less than	Children can find 1 more than and 1 less than in mixed problems		Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity.	Given a number, identify one more or one less
	Understands that addition is the combining of sets of objects	Understands that subtraction is removing objects	Recognises that + means add and - means subtract		Read, write and interpret mathematical symbols	

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	Adds two single digits totally up to 5	Adds two single digit numbers totalling up to 10	Adds two single digit numbers totalling more than 10	Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.	Add and subtract one-digit and two-digit numbers to 20, including zero
	Subtracts a single digit number from a number up to 5	Subtracts a single digit number from a number up to 10	Subtracts a single digit from a number greater than 10		
	Solves real world mathematical problems with numbers to 5	Solves real world mathematical problems with numbers to 10	Solves real world mathematical problems with numbers to 10+		Solve one-step problems that involve addition and subtraction
Fractions	Understands that sharing is splitting an amount into equal parts		Understands that halving is sharing into two equal parts	Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.	Recognise, find and name a half as one of two equal parts of an object, shape or quantity Compare, describe and solve practical problems for double/half
		Understands that doubling is adding the same number to itself			
Space	Continue, copy and recreate repeated patterns (ABB)	Continue, copy and recreate repeated patterns (ABBC)	Recognise and complete complex repeated patterns (ABBCA)		Describe position, direction and movement, including whole, half, quarter and three-quarter turns.
	Uses the vocabulary 'in-between', 'over', 'above', 'beneath', 'beside'				
	Can use ordinal numbers to describe position in a line				
	Completes 24-piece puzzles	Completes 35-piece puzzles	Completes 49-piece puzzles		
	Describes a familiar route using directional language - 'forwards', 'backwards', 'right' and 'left'		Design a route and explain to a friend		

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Measurement	Can order three items by length/height using non-standard measures Uses 'biggest', 'smallest', 'shortest' and 'tallest'		Uses standard measures whilst measuring size		Compare, describe and solve practical problems for lengths and heights
	Can order three items by weight using non-standard measures Uses 'heaviest', 'lightest'		Uses standard measures whilst measuring weight		Compare, describe and solve practical problems for mass/weight
	Can order three items by capacity using non-standard measures Uses 'full', 'empty', 'half empty'		Uses standard measures whilst measuring capacity		Compare, describe and solve practical problems for capacity and volume
	Children can talk about significant times of the day, home time, lunch time etc... and then sequence them	Children can identify if it takes a shorter or longer time to do something	Children can use language before, after, yesterday, today, tomorrow		Sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]
	Says the days of the week in order		Can tell you which day comes before/after a given day		Recognise and use language relating to dates, including days of the week, weeks, months and years
	Talks about the different ways we can pay for things	Recognises that there are different coins	Can pay for items using 1p coins		Recognise and know the value of different denominations of coins and notes