



CAPTAIN WEBB PRIMARY SCHOOL

Maths Curriculum – Key Knowledge and Skills

(Bold-Statutory Statements from NC;
Italics-Non-statutory, but fundamental to ensure knowledge is secure)

	Daycare 2/Rising 3	Nursery Pre-School (3s)	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
DECLARATIVE KNOWLEDGE: Facts and formulae (Fluency) Relationships between facts	ALGEBRA								
	Equations								
				Knows number bonds and related subtraction facts within 20 (copied from Addition and Subtraction)	Knows the inverse relationship between addition and subtraction and use this to check calculations and missing number problems. (from +/-) Knows addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 (from +/-)				

	Daycare 2/Rising 3	Nursery Pre-School (3s)	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
PROCEDURAL KNOWLEDGE: Methods. Relationships between facts, procedures and missing facts.				Knows how to solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems			Knows how to solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction. (copied from Addition and Subtraction)	Knows how to use the properties of rectangles to deduce related facts and find missing lengths and angles (copied from Geometry: Properties of Shapes)	Knows how to find pairs of numbers that satisfy an equation with two unknowns <i>Knows how to find the common difference for the nth term.</i>



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				such as $7 = * - 9$ <i>(copied from Addition and Subtraction)</i>			Knows how to solve problems, including missing number problems, involving multiplication and division, including integer scaling <i>(copied from Multiplication and Division)</i>		Knows how to express missing number problems algebraically.
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	Daycare 2/Rising 3	Nursery Pre-School (3s)	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
ALGEBRA									
Formulae									
DECLARATIVE KNOWLEDGE: <i>Facts and formulae (Fluency) Relationships between facts</i>							Knows that perimeter can be expressed algebraically as $2(a + b)$ where a and b are the dimensions in the same unit. <i>(Copied from measurement)</i>		Knows that it is possible to use formulae for area and volume of shapes (copied from Measurement)



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PROCEDURAL KNOWLEDGE: Methods. Relationships between facts, procedures and missing facts.									Knows how to use a simple formulae.
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	Daycare 2/Rising 3	Nursery Pre-School (3s)	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
ALGEBRA									
Sequences									
DECLARATIVE KNOWLEDGE: Facts and formulae (Fluency) Relationships between facts									
PROCEDURAL KNOWLEDGE: Methods, Relationships between facts, procedures and missing facts.				Knows how to sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening (from Measurement)	Knows how to compare and sequence intervals of time (from Measurement) Knows how to order and arrange combinations of mathematical objects in pattern (from Geometry: position and direction)				Knows how to generate and describe linear sequences.



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	Daycare 2/Rising 3	Nursery Pre-School (3s)	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Vocabulary									formulae linear number sequences algebraically equation unknowns combinations variables



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