Gwinear School Non-Negotiables

Times tables to be practiced on a daily basis by classes to ensure all other skills are embedded.

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<u>Key Skills</u>

Recall a range of calculations using mixed operations. Recall shape properties. Add and subtract using a range of strategies. Be confident, secure and happy in mental number knowledge.

CLASS ONE	CLASS TWO		CLASS THREE		CLASS FOUR	
Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	answer corresponding	2,5 10, 3, 4 times tables and answer	times tables and answer corresponding questions	Confidently know times tables up to 8X10. Be able to answer times tables questions with	fractions to decimals to	Find a difference by counting up through the next multiple of 10,100 or 100.
Add simple numbers mentally	questions.	corresponding questions.	with pace.	pace.	Add using methods such as	Identify near doubles e.g. work
e.g. 2+2	Know that addition can be done in any order.	Find a difference by		Add large numbers by partitioning mentally. E.g.	partitioning e.g. 324+58=	out that 421+313= double 400 +21 minus 13.
Subtract simple numbers mentally	Find a small difference by	counting up using 2 digit numbers.	Find the difference by			Mentally recall how many sides,
	counting up. Number bonds to 10 and		counting up using 3 digit numbers.	Find a small difference by		edges, faces are in a shape.
Recall names of shapes.		,	Identify near doubles e.g. 35+36= 71			Mentally recall multiplication facts up to 12x12 quickly.
Know simple properties of 2D	and near doubles.	Know the inverse			Add and subtract simple amounts of money using	Add mentally three ir more
shapes.		addition and			place value.	multiples of 10 e.g. 80+70+40+90=
Know some names of 3D shapes.	, ,	asked and prompted.			Know all properties of shapes and identify the correct	Respond to oral questions such
Mathematical			calculations e.g. 4+8=12, 20+80= 120, 400+800= 1200.	20+80= 120, 400+800= 1200.	0 0	as 0.05+0.3= and explain the method clearly.
reasoning and explaining		through 10 or 100.	Use the relationship between	mentally by using knowledge of		Add and subtract large numbers
strategies.	mentally- up to 2 digits	number facts and place	addition and subtraction. Complete some inverse		274+99= 274+100-1	mentally.
than a given	Know days, months and	value to multiply or divide mentally			Identify near doubles e.g. 1.5	0 0
number.		e.g.10/2= 5	Use knowledge of place value			200+140+12=352
Follow instructions using positional language.	Know properties of 2D and some 3d shapes e.g. name the shape.	Confidently recite number bonds to 20.	number bonds to help.	division are inverse operations	operations for addition and	Use number facts and knowledge of place value to multiply or divide mentally by 10, 100, 100.
ימיוקטמצר.		,	Add and subtract numbers mentally bridging 10 and 100.	•		E.g. 84÷100= 0.84
	5	physically.			Know all multiplication facts	Know division facts and how to

Mental Mathematics

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and	d use appropriate		Shift digits to the left/right to		up to 12x12 and recite these	work them out mentally,
lan	guage.	Know the properties of	multiply/divide by 10.	Mentally order numbers with	when asked.	explaining methods.
		3D shapes and describe		pace.		
Und	derstand how to read	them accurately.	Use knowledge of number		Doubling and halving e.g.	Mentally recall converting
sca	iles quickly.		facts to multiply or divide	Begin to add some simple	double 78= double 70	fractions to decimals to
		Understand how to read and interpret	mentally.	decimals mentally.	+double 8	percentages and vice versa.
		scales accurately.			Partitioning- e.g. 13x 21= (13x20) and (13x1)	Add decimals quickly.
						Add percentages quickly.
					Use place value to multiply	
					and divide by 10,100 and	Add amounts of money mentally,
					1000. E.g. 30=400= 13,000	explaining methods.
					8200÷10=820	
					8200÷100=82	Mentally put numbers in order.
					8200÷1000= 8.2	Including fractions and decimals.
						Mentally convert measures
						quickly. E.g. grams into kg etc.