## Simonside Primary School – Progression in Subtraction

Year	Foundation	Rapid	Mental	Objective	Method	Practical methods	Pictorial/written methods	Vocabulary
group		Recall	calculation					
EYFS		1 less Numbers up to 10		Compare sets of objects Remove objects from a set Say what is one less than a given number within 5 then 10 Use quantities and objects to subtract using single digit numbers	Practical / recorded using ICT (eg digital photos / pictures on IWB)	A range of Toys, Books, Beads, Rhymes, Counters, Number tiles, objects (stationary and moving) number lines, Numicon, stories, Role play Taking away 1 Counting back subtracting single Digits Children should physically remove	Those who are ready will begin to make drawings of problems. And begin to record using marks they can explain.	Take away, left, left over, gone, one less, fewer, count back(wards), equals

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У1	One less	Subtraction facts using bonds to 10	TU multiple of 10	Consolidation of EYFS	Practical / recorded	Counting sticks, 100 Squares, Dienes, coins, cubes, bead strings, Numicon, number tracks, dominoes,	Pictures to represent working out.	Take away, left, left over, gone, one less, fewer,
	Subtraction; 5,6, 7,8,9			Use subtraction (-) and equals (=) signs	using ICT	dice etc.		count back(wards),
		1 or 10 less than a number					1 2 3 4 5 6 7 8 9 10	equais
	Count back.			Represent and use subtraction facts within 20	Informal written methods	Count back/take away subtraction	13-5+8	Subtract, minus, leave, how much/many
	Number bonds.				Horizontal			less,
	Subtract 10.			Subtract one-digit and two-digit numbers to 20, including 0	recording		Count back on a number line	
	Teens subtract 10.			Solve one-step problems that involve subtraction and missing number problems			Horizontal Missing numbers	
	Difference between.							
				Concept of addition and subtraction as inverse operations				

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5.								
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Y2	10 less.	Subtraction	TU -U/	Consolidation of Y1	Practical	Counting sticks, bead strings,	Number line progressing to efficient	Take away, left,
		facts using	multiple of 10			number lines, 100 squares, Dienes,	jumps once children were secure in	left over, gone,
	Number bonds.	bonds to 20			Informal written	11111	taking away, counting back. Moving	one less, fewer,
	Subtraction: 20,		Difference of		methods		on to finding the difference using a	count
	12,13,14,15,16,17	Derive and	small numbers				number line	back(wards),
	18,19	use related	by counting	Solve problems with	Horizontal	43-20=14		equals,
		facts to	up	subtraction, including	recording			subtract, minus,
	Subtract 1 digit	100		those involving numbers,		1.4.4.1.7.4.4.0	47 - 23 = 24	leave, how
	from 2 digit by			quantities and measures			24 25 26 27 37 47	much/many
	bridging.					11 a a a a a a a a a a a 1 11 d 1 a a a a a a a a a a a a a a a a a	×××××××	less,
							4 4 4 10 10	
	Partition second					$[\alpha] \oplus [\alpha] \oplus [\alpha] \oplus [\alpha] \oplus [\alpha] \oplus [\alpha] \oplus [\alpha]$		inverse,
	number, count			TU - U				partition
	back in 10's then			TU - T				difference
	1's.			TU - TU			37-16=16	takeaway
						6.2.3	SETE	subtract
	Subtract 10 and							
	multiples of 10.						10	
				Know that subtraction		5-2=3	The second	
	Subtract near			cannot be done in any		Find the difference when numbers	20 25 30 <u>a</u> 35 40	
	multiples of 10.			order		are close together		
	Difference						Partitioning	
	between.			Recognise and use the			33 - 12	
				inverse relationship			30 - 10 = 20	
				between addition and			3 - 2 = 1	
				subtraction and use this			20 + 1 = 21	
				to check calculations			Move on to column subtraction - if	
				and solve missing			ready !!!!	
				number problems.				

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5.								
	Cubtreet	Cubturation		Concolidation of V2	Dreatical	Counting sticks dispase number	Counting book on a number line when	Taka away laft
¥3	Subtract multiples of 10	facts to at	нто-о нто-т	Consolidation of 92	Practical	Counting sticks, dienes, number	counting back on a number line when	lake away, left,
	and 100.	least 20	HTU - H	Cubturation of taking	Tuformal unittan	lines, nundred square, traction	teaching subtraction as taking away.	left over, gone,
			HTU-HTU by	Subtraction as taking	Informal written	pictures etc.	Counting on using a number line when	one less, tewer,
	Subtract single	Differences	finding the	away.	mernous		topphing automation of finding the	back(words)
	digit by bridging	of multiples	difference.	Culture tion of finding	Llevizentel		difference	Duck(wurus),
	through	of 10	<b>T</b> U	the difference	nocondina		ui) / erence.	equals,
	boundaries.		10 - near	The difference.	recording	Palla		subtract, minus,
	Partition second		multiple of 10	Subtract numbers with	Formal written	1602 ·		much/many
	number to			un to 3 digits using	method		1,2,3	less inverse
	subtract.			formal written method	mernod	aguinment is sheeplete seket etc		partition
	N:00			(column) with		equipment le chocolate, cakes etc.		difference
	Difference			decomposition			Partitionina	takeaway
	Derween.						573 - 261	subtract
				Estimate the answer to			500 - 200 = 300	
				a calculation and use			70 - 60 = 10	inverse.
				inverse operations to			3 - 1 = 2	partition
				check answers			300+10+2=312	minus
								subtract
							Concrete method before moving to	takeaway
				Solve problems,			formal column method.	how many less
				including missing				fewer
				number problems, using			T U	
				number facts, place				
				value, and more complex				
				subtraction.				
							24-13=11	
				Subtract fractions with				

		the same denominator		Column subtraction (with	
		within one whole		decomposition)	
				712 5 <del>82</del> - <u>237</u> <u>345</u>	
				Subtract fractions 7/10 - 3/10 = 4/10	
				- 3/10 =	

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aroup		Recall	calculation	-				
J F								
У4	Subtract	Derive	ΤΟ-ΤΟ	Consolidation of Y3	Practical	Dienes, place value cards,	Partitioning	Take away, left,
	multiples of	differences	Subtract	Subtract numbers with	Informal writton	place value counters,	5678 - 3462 5000 - 2000 - 2000	left over, gone,
	10's, 100's and	of pairs of	pairs of	up to 4 digits using the	methods		600 - 400 = 200	one less, fewer,
	1000's.	multiples of	multiples of	formal written methods	mernous		70 - 60 = 10	count
		10/100/100	10/100/1000	(column)	Horizontal		8 - 2 = 6	back(wards),
	Fluency of 2	0			recording		2000 + 200 + 10 + 6 = 2216	equals,
	digit subtract 2		ThHTU-			272		subtract, minus,
	digit.		ThHTU with a		Formal written	40.20	Expanded method:	leave, how
			small		тетпоа	A DE DE	57 50 7 50 7	much/many
	Partition second		difference				<u>-57 <u>50 7</u> <u>50 7</u></u>	less, inverse,
	number to						Concrete method using place value counters:	partition
	subtract.						Exchange hundreds for tens and tens for	difference
							units.	takeaway
	Decimal						5214	subtract,
	subtraction							inverse,
	from 10 or 1.							partition
								minus
	Difference			Subtract decimals in				subtract
	between.			context of money				takeaway
								how many less
	Subtract near						Subtract starting from the right and	fewer
	multiples by						exchanging where needed.	Thomase
	rounding and							dacimal point
	adjusting.						Subtract the ones	decimal point,
								numerator
								Exchange
								Minus
								Subtract
								fewer
							Then subtract the tens, exchanging is	partition





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group		Recall	calculation					
5.								
				-				
Y5	Subtract	Subtraction	Near multiple	Consolidation of Y4	Practical	Dienes, place value counters,	Use expanded method to show place	Take away, left,
	10's 100's	tacts linked	of 1000-near	Subtract whole	Informal written		value as above for those who heed it.	left over, gone,
	103, 1003 1000's and	to 1 (one	multiple of	numbers with more than	methods		Extend to:	one less, tewer,
	tenths.	dp) eq 1.0 -	1000 eg	4 digits, using formal	mornous		Column subtraction	count back(wonds)
		0.7 = 0.3	6070-4097=	written methods	Horizontal		(with decomposition)	equals subtract
	Fluency of 2	U - U.†		(column)	recording		Abstract method	minus leave how
	digit- 2digit		Decimal-					much/many less
	including with		decimal	Subtract numbers with	Formal written		5 <sup>8</sup> / <sup>10</sup> / <sub>1</sub> <sup>1</sup> 4 -	inverse.
	aecimais.		9.5-3.7	up to 3 decimal places	тетпоа		<u>2787</u>	partition
	Partition second			methods (column)			3127	difference
	number to							takeaway
	subtract.			Solve subtraction multi-				subtract,
				step problems in				inverse,
	Difference			contexts, deciding				partition
	between.			which operation and				minus
	Adjust numbers			methods to use and why			3/5 - 1/10 = 5/10	subtract
	to subtract			Subtract fractions with				takeaway
	To Subtract.			the same denominator				how many less
				and denominators that				fewer, increase,
				are multiples of the				denominator
				same number				numerator
								exchange
								minus, subtract
								fewer
								partition
								tenths
								hundredths,
								thousandths,
								, partition, near
								multiples

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aroup		Recall	calculation					
5.								
	- 1			a 194 - 19 - 194 -				
У6	Subtract	As previous	As above	Consolidation of Y5	Practical	Dienes, place value counters,	As y5.	Take away, left,
	10's 100's	increasing	<b>T</b> 1 1 1	Application of all prior	Informal written		Embedding understanding of formal	left over, gone,
	1000's, tenths	fluency	Integer/deci	skills learnt to increase	methods		written method with decomposition	one less, tewer,
	and hundredths.	, , , ,	mal (1dp)	fluency		<b>8 10 1</b>	using larger numbers and decimals.	count
		Subtract	subtract		Formal written	•	2/4 2/2	back(wards),
	Fluency of 2	mentally	integer/decim	Solve multi-step	method		3/4 - 2/3 = 9/12 - 8/12 = 1/12	equals, leave,
	digit- 2digit	with	al (1dp)	problems deciding on				how much/many
	including with	increasingly		appropriate operation				less, inverse,
	uecimuis.	numbers		Punils explore the order				partition
	Partition second	and mixed		of operations using				difference
	number to	operations.		brackets			3/5 - 1/10 = 5/10 (1/2)	takeaway
	subtract.							subtract,
				Subtract fractions with				inverse,
	Use number			different				partition
	facts, bridging			aenominators/ mixed				minus
	and place value.			number 3				how many less
	Adjust numbers							tewer,
	to subtract.							decimal point
								denominator,
	Difference							numerator
	between.							exchange
								fewer
								partition,
								tenths,
								hundredths,
								partition near
								multiples
								· F · · ·
								Common
								denominator