



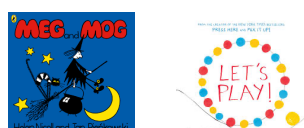
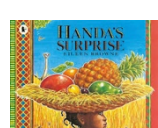








Sir William Burrough Curriculum Map: Maths

Maths at Sir William Burrough

Year A and B- Explorers - Nursery

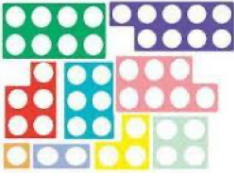

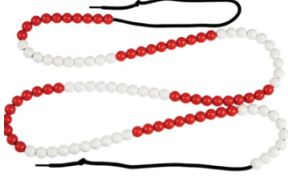
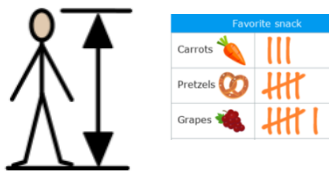

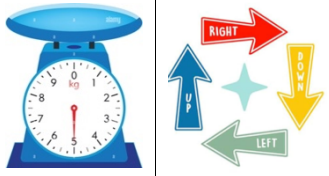
Autumn 1			Autumn 2			Spring 1			Spring 2			Summer 1			Summer 2		
																	
compari son	shape, space and measure	pattern 1	counting 1	counting 2	subitising 1	pattern 2	shape, space and measure 2	subitising 2	counting 3	shape, space and measure 3	pattern 3	counting 4	shape, space and measure 4	subitising 3	compositio n 2	pattern 4	shape, space and measure 5
more than, fewer than, same	explore and build shapes and objects	explore repeats	hear and say number names	begin to order number names	I see 1, 2, 3	join in with repeats	explore position and space	show me 1, 2, 3	move and label 1, 2, 3	explore position and routes	explore patterns	take and give 1,2,3	match, talk, push and pull	talk about dots	compare and sort collections	lead on own repeats	start to puzzle
collect objects to compare amounts	explore and play with shapes	listen to repeats in songs and stories	hear some number names	model saying 1, 2 and 3 in play	notice images in books	join in with repeated actions in songs and stories	respond to simple language of position	copy fingers to show 1	make actions when saying counting words	explore shape resources	explain simple pattern arrangem ents	choose a group to count	match simple shapes	become familiar with dot patterns	notice when two collections are the same	TBC	TBC
make simple compariso ns of amounts	show interest in simple differences between shapes	start to join in songs with repeats	join in saying some number names	copy the sequence of 1, 2 and 3	respond to "i see 1,2, 3"	arrange blocks in a chosen position	copy fingers to show 2	move fingers when saying counting words	explore more complex inset jigsaws	talk about simple positions	choose blocks to copy simple creations	take out 2 from a group	push some shapes and blocks together	say when there is 1 dot	make collections of small objects the same		
look for collections of large and small amounts	put shapes and blocks into position	clap along to songs	model saying number names in order	copy fingers to represent 1, 2 and 3	recognise i see 1, 2, 3	select shapes for a space	copy fingers to show 3	count out up to 3 objects from rhymes	move into simple positions	make simple line patterns with objects	give others 2 items	take out 3 from a group	make simple arrangem ents	say where there are 2 dots	make collections of large objects the same		
make large and small collections	select shapes for a reason	make line patterns with own sequences	practise saying number names in order	begin to count actions	copy i see 1,2,3	recognise when 2 objects are the same shape	show 1 finger when seeing 1 item in stories	notice number symbols as labels	move through simple positions	make simple pattern arrangem ents	give others 3 items	give others 2 items	talk about arrangem ents	recognise 1 and 2 in different arrangements	recognise two collections are the same using large and small objects		
make collections the same	begin to explore and describe natural shapes and objects	choose clocks to build roads and towers	say number names in order	say number names in order	recognise 1, 2 3 in well- known tales	have a sense of daily routines	show 2 or 3 fingers when seeing 2 or 3 in stories	label amounts as 1 and not 1	follow simple small-world rules	show an interest in patterns and shapes	count 3 objects with one-to-one corresponde nce	count 3 objects with one-to-one corresponde nce	follow simple routes outside	say when there are 3 dots	make collections the same using large and small objects		
	find and collect objects for a purpose	join in stable order counting forwards	join in stable order counting backwards	begin to recognise that anything can be counted	point to 1, 2,3	explore and describe shapes and objects	show 1,2,3 on fingers when asked					follow toys around a simple route	follow toys around a simple route	recognise 1,2 and 3 in different arrangements	make collections sort and talk about their own collections		

Sir William Burrough Curriculum Map: Maths

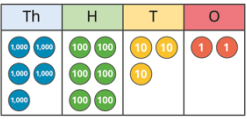

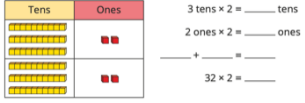


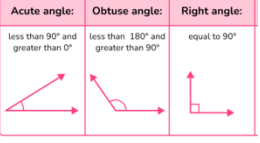
Year A and B - Explorers - Reception																	
Autumn 1			Autumn 2			Spring 1			Spring 2			Summer 1			Summer 2		
																	
comparison	pattern	cardinality and composition	shape	cardinality and composition	shape	cardinality and composition	measure	cardinality and composition	measure	cardinality and composition	spatial awareness, shape and pattern	counting	composition	spatial awareness and shape	composition	pattern	cardinality, composition and measure
match, sort and compare	talk about measure and patterns	it's me 1,2, 3	circles and triangles	1, 2, 3, 4, 5	shapes with 4 sides	alive in 5	mass and capacity	growing 6, 7, 8	length, height and time	building 9 and 10	explore 3-d shapes	to 20 and beyond	how many now	manipulate, compose and decompose	sharing and grouping	visualise, build and map	make connections
match objects	compare size	find 1, 2, 3	identify and name circles and triangles	find 4 and 5	identify and name shapes with 4 sides	introduce zero	compare mass	find 6, 7 and 8	explore length	find 9 and 10	recognise and name 3-d shapes	build numbers beyond 10	add more	select shapes for a purpose	explore sharing	identify units of repeating patterns	deepen understanding
match pictures and objects	compare mass	subitise 1, 2,3	compare circles and triangles	subitise 4 and 5	combine shapes with 4 sides	find 0 to 5	find a balance	represent 6, 7 and 8	compare length	compare numbers to 10	find 2-d shapes within 3-d shapes	continue patterns beyond 10	how many did I add	rotate shapes	sharing	create own pattern rules	patterns and relationships
identify a set	compare capacity	represent 1, 2, 3	shapes in the environment	represent 4 and 5	shapes in the environment	subitise 0 to 5	explore capacity	1 more	explore height	represent 9 and 10	use 3-d shapes for tasks	build numbers beyond 10	take away	manipulate shapes	grouping	replicate and build scenes and constructions	
sort objects to a type	explore simple patterns	1 more	describe position	1 more	my day and night	represent 0 to 5	compare capacity	1 less	compare height	conceptual subitising to 10	3-d shapes in the environment	continue patterns beyond 10	how many did I take away	explain shape arrangements	even and odd sharing	visualise from different positions	
explore sorting techniques	copy and continue single patterns	1 less		1 less		1 more		composition of 6,7 and 8	talk about time	1 more and less	identify more complex patterns	verbal counting beyond 20		compose shapes	play with and build doubles	describe positions	
create sorting rules	create simple patterns	composition of 1, 2, 3		composition of 4 and 5		1 less		make pairs	order and sequence time	composition to 10	copy and continue patterns	verbal counting patterns		decompose shapes		give instructions to build	
compare amounts				composition of 1-5		conceptual subitising to 5		odd and even		bonds to 10	patterns in the environment			find 2-d shapes within 3-d shapes		explore mapping	
								double to 8		doubles to 10						represent maps with models	
								combine 2 groups		explore odd and even						create own maps	

Sir William Burrough Curriculum Map: Maths

Year A - Adventurers - Y1/2

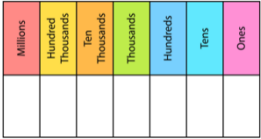
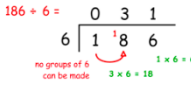

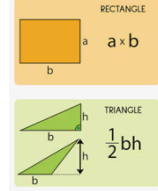






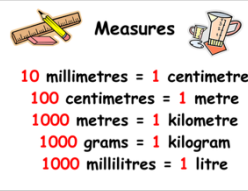



Autumn 1		Autumn 2		Spring 1		Spring 2		Summer 1			Summer 2	
												
number		number	geometry	number		measurement	statistics	measurement	number	measurement	measurement	geometry
place value within 20	addition and subtraction within 20	place value within 100	shape	addition and subtraction within 100	multiplication & division	length & height	charts and diagrams	money	fractions	time	mass, capacity and temperature	position and direction
numbers up to 10	parts and wholes	count beyond 20	recognise and name 2-D and 3-D shapes	related facts	count in 2s, 5s and 10s	measure length using objects	tally charts	coins and notes	parts and whole	months and days	compare mass	language of position
count on and back within 20	number bonds to 10 and 20	count tens	sides and vertices on 2-D shapes	add and subtract 1s	count in 3s	measure length in centimetres and metres	tables	count money	equal and unequal parts	hours, minutes and seconds,	measure in grams and kilograms	describe movement and turns
understand 10	number bonds to 20	groups of tens and ones	draw 2-D shapes	add to the next 10	equal groups	compare and order lengths and heights	block diagrams	compare amounts of money	half/halves	o'clock and half past	four operations with mass	
understand 11 to 15	addition-add together and more	partition into tens and ones	vertical lines of symmetry	add from a 10	arrays	four operations with lengths and heights	pictograms	calculate with money	quarter/quarters	quarter past	compare volume and capacity	
understand 16 to 20	addition-add together and more	use a place value chart	faces and edges on 3-D shapes	add across a 10	multiplication sentences			make a pound	third/thirds	past the hour	measure in millilitres and litres	
1 more and 1 less	doubles and near doubles	flexible partitioning	sort 2-D and 3-D shapes	subtract from a 10	commutativity			find change	whole/wholes	quarter to	four operations with volume and capacity	
number lines	add three 1-digit numbers	number lines	patterns with 2-D and 3-d shapes	subtract across a 10	2 times-tables				unit and non-unit fractions	to the hour	temperature	
less than, greater than, equal to	find a part	1 more and 1 less		add 10s	doubling and halving				half and two-quarters equivalence	to 5 minutes		
order numbers	fact families-the eight facts	compare numbers with the same amount of tens		subtract 10s	odd and even				three-quarters	minutes in an hour		
	take away (how many left?)	compare any two numbers		add two 2-digit numbers	the 10 times-table				count in fractions (up to a whole)	hours in a day		
	find the difference	order objects and numbers		subtract two 2-digit numbers	the 5 times-tables							
				mixed addition and subtraction								

Sir William Burrough Curriculum Map: Maths

Year A - Pioneers - Y3/4														
Autumn 1		Autumn 2		Spring 1		Spring 2			Summer 1		Summer 2			
														
number		number	measurement	number	measurement	number	measurement	number	measurement	number	measurement	geometry	geometry	statistics
place value	addition and subtraction	multiplication and division a	area	multiplication and division b	length and perimeter	fractions	mass and capacity	fractions b	time	decimals	money	shape	position and direction	data, charts and diagrams
represent and partition numbers to 1,000	add and subtract 1s, 10s, 100s, 1,000s (incl. across a boundary)	arrays sharing and grouping	area-counting squares	factor pairs multiply and divide by 10 and 100	kilometres, metres, centimetres and millimetres	understand denominators	mass in grams and kilograms	add fractions (incl. mixed numbers)	time to 5 minutes	tenths as fractions and decimals	pound and pence	turns and angles	describe position using coordinates	pictograms
represent and partition numbers to 10,000	add and subtract up to two 4-digit numbers within and across a 1,000	2, 5 and 10 times-tables	compare areas	multiply three numbers	equivalent lengths	compare and order unit fractions	equivalent masses	subtract fractions (incl. mixed numbers)	time to the minute	hundredths as fractions and decimals	write money using decimals	identify, compare and order angles	plot coordinates	bar charts
1, 10, 100 or 1000 more/less	complements to 100 and 1000	4 times-tables		scaling	add and subtract lengths	understand numerators	compare mass	subtract from whole amounts and mixed numbers	read a digital clock	halves and quarters as decimals	convert pounds and pence	types of lines	draw 2-d shapes on a grid	line graphs
number lines to 10,000	estimation	8 times-tables		multiply up to a 3-digit number by a 1-digit number (with/without exchange)	perimeter	understand the whole	add and subtract mass	subtract from whole amounts and mixed numbers	a.m. and p.m.	make a whole	compare amounts of money	triangles and quadrilaterals	translate on a grid	comparison, sum and difference
compare and order numbers within 10,000	inverse operations	2, 4 and 8 times-tables		divide up to a 3-digit number by a 1-digit number (with/without exchange)	perimeter of rectilinear shapes	fractions on a number line	capacity and volume- in millilitres and litres	unit and non-unit fractions of amounts	convert between analogue and digital time	partition decimals	add and subtract money	polygons		two-way tables
round up to and within 1,000		3 times-tables		divide up to a 3-digit number (with remainders)	perimeter of polygons	compare and order non-unit fractions	equivalent capacities and volumes	add and subtract capacity and volume	convert between 12- and 24-hour clock times	compare and order decimals	find change	symmetry		collect and represent data
roman numerals		6 times-tables				equivalent fractions	compare capacity and volume		hours, minutes and seconds	round to the nearest whole number		3-d shapes		
		9 times-tables				mixed numbers-partition, compare and order	add and subtract capacity and volume		find and use durations	divide decimals by 10 and 100				
		3, 6 and 9 times-tables				improper fractions			years, months, weeks and days					
		7 times-tables				mixed numbers and improper fractions-conversions								
		11 times-tables												
		12 times-tables												
		multiply by 10 and 0												
		divide a number by 1 and itself												

Sir William Burrough Curriculum Map: Maths

Year A - Trailblazers - Y5/6

Year A - Trailblazers - Y5/6																																										
Autumn 1				Autumn 2			Spring 1			Spring 2			Summer 1			Summer 2																										
				$186 \div 6 =$ 									<table border="1"> <thead> <tr> <th>Fraction</th> <th>Decimal</th> <th>Percentage</th> <th>Image</th> </tr> </thead> <tbody> <tr> <td>$\frac{1}{2}$</td> <td>0.5</td> <td>50%</td> <td></td> </tr> <tr> <td>$\frac{1}{4}$</td> <td>0.25</td> <td>25%</td> <td></td> </tr> <tr> <td>$\frac{3}{4}$</td> <td>0.75</td> <td>75%</td> <td></td> </tr> </tbody> </table>			Fraction	Decimal	Percentage	Image	$\frac{1}{2}$	0.5	50%		$\frac{1}{4}$	0.25	25%		$\frac{3}{4}$	0.75	75%		<div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 5px;"> Reflex angle A reflex angle is an angle that is bigger than 180° </div> <div style="border: 1px solid black; padding: 5px;"> Obtuse angle An obtuse angle is an angle between 90° and 180° </div> </div>			<div style="border: 1px solid black; padding: 5px;"> Right angle A right angle is an angle that measures 90° </div>			<div style="border: 1px solid black; padding: 5px;"> Triangles The angles of any triangle will always add up to 180° </div>			<div style="border: 1px solid black; padding: 5px;">  </div>	
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place value	addition and subtraction	multiplication and division a	fractions a	multiplication and division b	fractions b	decimals a	area, perimeter and volume	decimals b	fractions, decimals and percentages	ratio	algebra	shape	position and direction	statistics	converting units																											
roman numerals to 1,000	mental strategies	multiplies and factors	equivalent fractions	multiply up to a 4-digit number by a 2-digit number	multiply fractions by integers	decimals up to 3 decimal places	perimeter and area of rectangles and rectilinear shapes	add and subtract decimals within 1	equivalent fractions and decimals	use ratio language	function machines	degrees	the first quadrant	line graphs	kilograms and kilometres																											
read, write and partition numbers to 10,000,000	add and subtract integers	rules of divisibility	mixed numbers and improper fractions-conversion s	short division	divide fractions by integers	order and compare decimals with up to 3 d.p.	area of compound shapes	complements to 1	fractions as division	ratio and fractions	form expressions	classify and measure angles	four quadrants	tables	millimetres and millilitres																											
powers of 10	inverse operations and missing numbers	prime numbers	compare and order fractions	division using factors	fractions of an amount (incl. finding the whole)	round to the nearest whole number	area of triangles and parallelograms	add and subtract decimals across 1	understanding percentages	scale factors	substitution	calculate angles around a point and on a straight line	coordinate problems	timetables	convert metric units																											
compare and order any integers	multiply and divide by 10, 100 and 1000	square and cube numbers	reason from known facts	long division	order of operations	round to 1 decimal place	volume of a cuboid	add and subtract decimals with the same and different numbers of d.p.	percentages as fractions and decimals	similar shapes	formulae	translation	pie charts	the mean	miles and kilometres																											
round any integer	add and subtract fractions (incl. mixed numbers)	multiply and divide by 10, 100 and 1000	order of operations	order of operations	reason from known facts	round to 2 decimal places	volume and capacity- estimate and compare	multiply and divide decimals by 10, 100 and 1000	equivalent fractions, decimals and percentages	ratio and proportion problems	form and solve equations	lines of symmetry	reflection		imperial measures																											
compare and order negative number	add and subtract fractions (incl. mixed numbers)	multiply and divide by 10, 100 and 1000	reason from known facts	order of operations	reason from known facts	round to 2 decimal places	volume and capacity- estimate and compare	multiply and divide decimals by integers	order fractions, decimals and percentages	find pairs of values	draw shapes	angles in a triangle	reflection		convert units of time																											
									percentages of an amount		draw shapes	angles in quadrilaterals			calculate with timetables																											
												regular and irregular polygons																														
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												draw shapes																														
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