## MATHS SCHEME OF WORK



In order to ensure appropriate coverage, the focus rotas for each class or group should refer to the following years of the **Maths National Curriculum**.

Pupils in Year 9 will follow AQA units in Spring and Summer Term. Pupils in Year 10 & 11 will follow AQA. In the Spring and Summer term, Year 11 will follow one of two pathways: either Entry Level 1/2 Functional Maths; or Functional Maths skills lessons.

Class or group	National Curriculum Year
Class 1 (SWA/AHE)	Rec/ELG/Year 1
Year 3 (ABR)	Rec/ELG/Year 1
Year 4 (GSA)	Year 1
Year 5 (LAL)	Year 2
Year 6 (MBVK)	Year 3
Year 7 (IBO)	Year 4
Year 8 (SRE)	Year 4
Year 8 (JEL)	Year 5/6
Year 9 (LBA)	Year 6/AQA
Year 10 (JTU) Year 11 (NPR)	AQA AQA

The Scheme of Work is for guidance only. Work should be personalised for each child based on their assessed achievement in PIVATS 5, selecting the most suitable objectives for them within the focus area. These objectives should be clearly identifiable in your planning. An appropriate objective from Using & Applying should also be planned within each focus area.

Reference should be made to the School Calculation Policy for appropriate calculation strategies.

A child can be marked as having achieved an objective if they have successfully completed work relating to it independently on at least 3 separate occasions. Some form of evidence should be available to show this – this can be written, photographic, video, or a record of verbal evidence.

Maths work will be moderated once each term – Autumn Term: U&A – Spring Term: Number – Summer Term: Shape, Space and Measure

CLASS 1 (SWA/AHE)

	Number/Counting/	Place Value	Measure	Addition and Subtraction	Geometry – Properties of
	Sequences	(3 weeks)	Mass/weight,	(3 weeks)	Shapes (Lesson Study)
	(3 weeks)	1 more or 1 less than a	Capacity/volume	Add and subtract/take	(3 weeks)
	Counting reliably with	given number (to 20).	(3 weeks)	away two single-digit	Exploring the characteristics
	numbers from 1-20.	Order numbers 1-20.	Use everyday language to	numbers.	of everyday objects and
חר	Odd and even numbers.	0.000	describe weight and	Count on or back to find	shapes, using mathematical
un.			capacity.	the answer.	language to describe them.
Autumn			Compare quantities and	Start to record number	
1			objects – more/less.	sentences.	
			Sand and water.	Bonds to 10 (Part-part-	
				whole).	
			Pumpkin Lanterns – Maths		
			Day		
	Number/Counting/	Measure	Multiplication and Division	Geometry – Properties of	Measure
	Sequences	Time	<u>(2 weeks)</u>	Shapes	Money (Number objectives
	<u>(3 weeks)</u>	<u>(3 weeks)</u>	Doubling, halving and	<u>(2 weeks)</u>	in PIVATS)
<u>D</u> C	Counting reliably with	Sequencing familiar events	sharing.	Exploring the characteristics	<u>(3 weeks)</u>
Spring	numbers from 1-20.	in chronological order.	Solve problems.	of everyday objects and	Recognise and know the
SF	Odd and even.	Days of the week, weeks,		shapes, using mathematical	value of some different
	Introduce 0 (zero).	months, years.		language to describe them.	denominations of coins and
				Names of common 2D and	notes.
				3D shapes.	
	Place Value	Addition and Subtraction	Multiplication and Division	Measure	* Geometry – Position,
	(2 weeks)	(2 weeks)	(2 weeks)	Length and Height	direction and motion
	1 more or 1 less than a	Add and subtract two	Doubling, halving and	(3 weeks)	(2 weeks)
ler	given number (to 20).	single-digit numbers.	sharing.	Use everyday language to	Recognise, create and
υL	Order numbers 1-20.	Count on or back to find	Solve problems.	describe length and height.	describe patterns.
Summer		the answer.		To compare quantities and	
- 0)		Start to record number		objects.	
		sentences.			
		Bonds to 10 (Part-part-		SPORTS BAY BRASTISE	
		whole).		SPORTS DAY PRACTICE	

<sup>\*</sup> Taught by new teacher during 2 week transition at the end of the year.

CLASS 2 - Y3 (ABR)

	Number/Counting/	Place Value	Measure	Addition and Subtraction	Geometry – Properties of
	Sequences	(3 weeks)	Mass/weight,	(3 weeks)	Shapes (Lesson Study)
	(3 weeks)	1 more or 1 less than a	Capacity/volume	Add and subtract/take	(3 weeks)
		given number (to 20).	(3 weeks)	I	
	Counting reliably with	` ,		away two single-digit	Exploring the characteristics
	numbers from 1-20.	Order numbers 1-20.	Use everyday language to	numbers.	of everyday objects and
Ш	Odd and even numbers.		describe weight and	Count on or back to find	shapes, using mathematical
Autumn			capacity.	the answer.	language to describe them.
¥			Compare quantities and	Start to record number	
			objects – more/less.	sentences.	
			Sand and water.	Bonds to 10 (Part-part-	
				whole).	
			Pumpkin Lanterns – Maths		
			Day		
	Measure	Number/Counting/	Geometry – Properties of	Measure	Multiplication and Division
	Time	Sequences	Shapes	Money (Number objectives	<u>(2 weeks)</u>
	<u>(3 weeks)</u>	<u>(3 weeks)</u>	<u>(2 weeks)</u>	in PIVATS)	Doubling, halving and
<u>D</u>	Sequencing familiar events	Counting reliably with	Exploring the characteristics	<u>(3 weeks)</u>	sharing.
Spring	in chronological order.	numbers from 1-20.	of everyday objects and	Recognise and know the	Solve problems.
Sp	Days of the week, weeks,	Odd and even.	shapes, using mathematical	value of some different	
	months, years.	Introduce 0 (zero).	language to describe them.	denominations of coins and	
			Names of common 2D and	notes.	
			3D shapes.		
	Place Value	Addition and Subtraction	Measure	Multiplication and Division	* Geometry – Position,
	<u>(2 weeks)</u>	<u>(2 weeks)</u>	Length and Height	<u>(2 weeks)</u>	direction and motion
	1 more or 1 less than a	Add and subtract two	<u>(3 weeks)</u>	Doubling, halving and	<u>(2 weeks)</u>
Je.	given number (to 20).	single-digit numbers.	Use everyday language to	sharing.	Recognise, create and
Summer	Order numbers 1-20.	Count on or back to find	describe length and height.	Solve problems.	describe patterns.
ш		the answer.	To compare quantities and		
Sı		Start to record number	objects.		
		sentences.			
		Bonds to 10 (Part-part-			
		whole).	SPORTS DAY PRACTICE		

<sup>\*</sup> Taught by new teacher during 2 week transition at the end of the year.

CLASS 3 - Y4 (GSA)

	Number/Counting/	Place Value	<u>CLA33 3 = 14 (G3A)</u> Measure	Addition and Subtraction	Geometry – Properties of
	Sequences	<u>(3 weeks)</u>	Mass/weight,	(3 weeks)	Shapes (Lesson Study)
	<u>(3 weeks)</u>	Identify and represent	Capacity/volume	Read, write and work out	<u>(3 weeks)</u>
	Counting in 1s to, from and	numbers using cubes,	<u>(3 weeks)</u>	sums involving + - =.	Recognise and name
	across 100 (forwards and	dienes etc, and number	Compare, describe and	Bonds to 20 (Part-part-	common 2D and 3D
	backwards) starting at any	lines.	solve practical problems for	whole).	shapes.
mr	number.	Use the language of equal	mass/weight and	1-step addition and	
Autumn	Counting in multiples of 2, 5	to, more than, less than,	capacity/volume.	subtraction problems,	
AL	and 10.	fewer, most, least.	Measure and begin to	including missing number	
	Identify 1 more and 1 less of	Read and write numbers to	record mass/weight and	problems.	
	a given number.	100 in numerals.	capacity/volume.	Add and subtract 1-digit	
		Read and write numbers to	(Non-standard units).	and 2-digit numbers to 20.	
		20 in words.	Dumanish Lambanna Akadha		
			Pumpkin Lanterns – Maths Dav		
	No. of the Alberta				
	Number/Counting/	Measure	Multiplication and Division	Fractions	Measure
	Number/Counting/ Sequences	Measure Time	Multiplication and Division (2 weeks)	<u>(2 weeks)</u>	Measure Money (Number objectives
	Sequences (3 weeks) Counting in 1s to, from and	Time (3 weeks) Measure and begin to	(2 weeks) Doubling, halving and sharing.	(2 weeks) Recognise, find and name a half as one of two equal	Money (Number objectives in PIVATS) (3 weeks)
	Sequences (3 weeks) Counting in 1s to, from and across 100, forwards and	Time (3 weeks) Measure and begin to record time (hrs, mins, secs).	(2 weeks) Doubling, halving and sharing. Solve 1-step multiplication	(2 weeks) Recognise, find and name a half as one of two equal parts of an object, shape or	Money (Number objectives in PIVATS) (3 weeks) Recognise and know the
C	Sequences (3 weeks) Counting in 1s to, from and across 100, forwards and backwards, beginning with	Time (3 weeks) Measure and begin to record time (hrs, mins, secs). Sequencing familiar events	(2 weeks) Doubling, halving and sharing. Solve 1-step multiplication and division problems,	(2 weeks) Recognise, find and name a half as one of two equal parts of an object, shape or quantity.	Money (Number objectives in PIVATS) (3 weeks) Recognise and know the value of different
ring	Sequences (3 weeks) Counting in 1s to, from and across 100, forwards and backwards, beginning with any given number.	Time (3 weeks) Measure and begin to record time (hrs, mins, secs). Sequencing familiar events in chronological order.	(2 weeks) Doubling, halving and sharing. Solve 1-step multiplication and division problems, appropriate to the pupil's	(2 weeks) Recognise, find and name a half as one of two equal parts of an object, shape or quantity. Recognise, find and name	Money (Number objectives in PIVATS) (3 weeks) Recognise and know the value of different denominations of coins and
Spring	Sequences (3 weeks) Counting in 1s to, from and across 100, forwards and backwards, beginning with any given number. Counting in multiples of 2, 5	Time (3 weeks) Measure and begin to record time (hrs, mins, secs). Sequencing familiar events in chronological order. Days of the week, weeks,	(2 weeks) Doubling, halving and sharing. Solve 1-step multiplication and division problems, appropriate to the pupil's ability, using concrete	(2 weeks) Recognise, find and name a half as one of two equal parts of an object, shape or quantity. Recognise, find and name a quarter as one of four	Money (Number objectives in PIVATS) (3 weeks) Recognise and know the value of different
Spring	Sequences (3 weeks) Counting in 1s to, from and across 100, forwards and backwards, beginning with any given number. Counting in multiples of 2, 5 and 10.	Time (3 weeks) Measure and begin to record time (hrs, mins, secs). Sequencing familiar events in chronological order. Days of the week, weeks, months, years.	(2 weeks) Doubling, halving and sharing. Solve 1-step multiplication and division problems, appropriate to the pupil's ability, using concrete objects, pictorial	(2 weeks) Recognise, find and name a half as one of two equal parts of an object, shape or quantity. Recognise, find and name a quarter as one of four equal parts of an object,	Money (Number objectives in PIVATS) (3 weeks) Recognise and know the value of different denominations of coins and
Spring	Sequences (3 weeks) Counting in 1s to, from and across 100, forwards and backwards, beginning with any given number. Counting in multiples of 2, 5 and 10. Identify 1 more and 1 less of	Time (3 weeks) Measure and begin to record time (hrs, mins, secs). Sequencing familiar events in chronological order. Days of the week, weeks, months, years. Tell the time to the hour and	(2 weeks) Doubling, halving and sharing. Solve 1-step multiplication and division problems, appropriate to the pupil's ability, using concrete objects, pictorial representations and arrays	(2 weeks) Recognise, find and name a half as one of two equal parts of an object, shape or quantity. Recognise, find and name a quarter as one of four	Money (Number objectives in PIVATS) (3 weeks) Recognise and know the value of different denominations of coins and
Spring	Sequences (3 weeks) Counting in 1s to, from and across 100, forwards and backwards, beginning with any given number. Counting in multiples of 2, 5 and 10.	Time (3 weeks) Measure and begin to record time (hrs, mins, secs). Sequencing familiar events in chronological order. Days of the week, weeks, months, years. Tell the time to the hour and half past.	(2 weeks) Doubling, halving and sharing. Solve 1-step multiplication and division problems, appropriate to the pupil's ability, using concrete objects, pictorial representations and arrays (with the support of the	(2 weeks) Recognise, find and name a half as one of two equal parts of an object, shape or quantity. Recognise, find and name a quarter as one of four equal parts of an object,	Money (Number objectives in PIVATS) (3 weeks) Recognise and know the value of different denominations of coins and
Spring	Sequences (3 weeks) Counting in 1s to, from and across 100, forwards and backwards, beginning with any given number. Counting in multiples of 2, 5 and 10. Identify 1 more and 1 less of	Time (3 weeks) Measure and begin to record time (hrs, mins, secs). Sequencing familiar events in chronological order. Days of the week, weeks, months, years. Tell the time to the hour and half past. Compare, describe and	(2 weeks) Doubling, halving and sharing. Solve 1-step multiplication and division problems, appropriate to the pupil's ability, using concrete objects, pictorial representations and arrays	(2 weeks) Recognise, find and name a half as one of two equal parts of an object, shape or quantity. Recognise, find and name a quarter as one of four equal parts of an object,	Money (Number objectives in PIVATS) (3 weeks) Recognise and know the value of different denominations of coins and
Spring	Sequences (3 weeks) Counting in 1s to, from and across 100, forwards and backwards, beginning with any given number. Counting in multiples of 2, 5 and 10. Identify 1 more and 1 less of	Time (3 weeks) Measure and begin to record time (hrs, mins, secs). Sequencing familiar events in chronological order. Days of the week, weeks, months, years. Tell the time to the hour and half past.	(2 weeks) Doubling, halving and sharing. Solve 1-step multiplication and division problems, appropriate to the pupil's ability, using concrete objects, pictorial representations and arrays (with the support of the	(2 weeks) Recognise, find and name a half as one of two equal parts of an object, shape or quantity. Recognise, find and name a quarter as one of four equal parts of an object,	Money (Number objectives in PIVATS) (3 weeks) Recognise and know the value of different denominations of coins and

Summer	Place Value (2 weeks) Identify and represent numbers using cubes, dienes etc, and number lines. Use the language of equal to, more than, less than, fewer, most, least. Read and write numbers to 100 in numerals. Read and write numbers to	Addition and Subtraction  (2 weeks)  Read, write and work out sums involving + - =.  Bonds to 20 (Part-part-whole).  1-step addition and subtraction problems, including missing number problems.  Add and subtract 1-digit and 2-digit numbers to 20.	Multiplication and Division (2 weeks) Doubling, halving and sharing. Solve 1-step multiplication and division problems, appropriate to the pupil's ability, using concrete objects, pictorial representations and arrays (with the support of the teacher).	Measure Length and Height (3 weeks) Compare, describe and solve practical problems for length and height. Measure and begin to record length and height. (Non-standard units).	* Geometry – Position, direction and motion (2 weeks) Describe half, quarter and three quarter turns.
	Read and write numbers to 20 in words.	and 2-digit numbers to 20.	teacher).	SPORTS DAY PRACTICE	

<sup>\*</sup> Taught by new teacher during 2 week transition at the end of the year.

CLASS 4 - Y5 (MBVK)

				CLASS 4 - YS					1
	Number/Counting/	Place Value	Measure		Addition and		Statistics		Geometry – Properties
	Sequences	<u>(2 weeks)</u>	Mass/we	ight,	Subtraction		(2 weeks)		of Shapes (Lesson
	<u>(2 weeks)</u>	Identify, represent and	Capacity	//volume	<u>(3 weeks)</u>		Tallies and frequence	СУ	Study)
	Counting forwards	estimate numbers,	(3 weeks	<u>)</u>	Recall and use	Э	tables.		<u>(3 weeks)</u>
	and backwards in	including using a	Choose	and use	number facts	to 20.	Create simple		Identify and describe
	steps of 2, 3, 4 and 5	number line.	appropri	ate standard	Derive and us	е	pictograms, tally		the properties of:
	from 0.	Read and write	units to e	stimate and	number facts	to 100.	charts, block		2D shapes – sides,
	Counting forwards	numbers to at least	measure	mass/weight	Adding and		diagrams.		corners, vertical
$\sqsubseteq$	and backwards in tens	100 in numerals and	(kg/g) ar	nd	subtraction 2-	digit and	Ask and answer		symmetry;
Autumn	from any number.	words.	capacity	//volume	ones, 2-digit a	ınd tens,	questions about the	em.	3D shapes – edges,
L)		Compare and order	(l/ml).		2-digit and 2-d	digit and			vertices, faces.
⋖		numbers to 100 using <	Measure	and begin to	adding three	1-digit			Identify the 2D shapes
		> and =.		nass/weight	numbers.				on the faces of 3D
		Recognise the place	(kg/g) ar	nd	The commuta	-			shapes.
		value of each digit in	capacity	capacity/volume		nature of addition but			Compare and sort
		a 2-digit number.	(l/ml).	(., , .		not subtraction.			common 2D and 3D
		Use place value and			Recognising o				shapes.
		number facts to solve			and subtraction	on as the			
		problems.		Lanterns –	inverse of eac				
			Maths Do	,*	Word problem	ns.			
	Number/Counting/	Measure		Multiplication	and Division	and Division Measure		Fractions	
	Sequences	Money (Number of	bjectives	<u>(2 weeks)</u>		Time			veeks)
	<u>(3 weeks)</u>	in PIVATS)		Recall and use	-	(3 weeks	1		cognise, find, name and
	Counting forwards and	<u>(3 weeks)</u>		multiplication		Compar	e and sequence		e fractions 1/3, ¼, 2/4, ¾
	backwards in steps of 2,	_	e symbols	facts for 2, 5, 1	0 times	intervals			length, shape, set of
$\Box$	and 5 from 0.	for £ and p.		tables.			me to quarter		ects or quantity.
Spring	Counting forwards and	Combine amoun	s to make	Calculate mul	•	past/qua			e simple fractions, e.g.
Spi	backwards in tens from c			and division su	ıms using x ÷		write the time to 5	,	f 6 = 3.
	number.	Find different con		and =.		minute ir	ntervals.		cognise the equivalence
		of coins that mak		The commuta				of 2	1/4 and ½.
		same amount of	,	multiplication	but not				
		Practical addition		division.					
		subtraction proble		Word problem	ns.				
		including giving c	hange.						

	Place Value	Addition and Subtraction	Multiplication and Division	Measure	* Geometry – Position,
	<u>(2 weeks)</u>	<u>(2 weeks)</u>	<u>(2 weeks)</u>	Length and Height	direction and motion
	Identify, represent and	Recall and use number	Recall and use	<u>(3 weeks)</u>	<u>(2 weeks)</u>
	estimate numbers, including	facts to 20.	multiplication and division	Choose and use	Order and arrange
	using a number line.	Derive and use number	facts for 2, 5, 10 times	appropriate standard units	combinations of
	Read and write numbers to	facts to 100.	tables.	to estimate and measure	mathematical objects in
	at least 100 in numerals and	Adding and subtraction 2-	Calculate multiplication and division sums using x ÷	length and height (m/cm).	sequences – repeating
eľ	words.	digit and ones, 2-digit and		Measure and begin to	patterns.
Ш	Compare and order	tens, 2-digit and 2-digit and	and =.	record length and height	Describe movement and
Summe	numbers to 100 using < >	adding three 1-digit	The commutative nature of	(m/cm).	position – moving in a
S	and =.	numbers.	multiplication but not		straight line, rotation in
	Recognise the place value	The commutative nature of	division.		terms of right angles for
	of each digit in a 2-digit	addition but not	Word problems.		quarter, half and three-
	number.	subtraction.			quarter turns.
	Use place value and	Recognising addition and			Clockwise and anti-
	number facts to solve	subtraction as the inverse of			clockwise.
	problems.	each other.			
		Word problems.		SPORTS DAY PRACTICE	

<sup>\*</sup> Taught by new teacher during 2 week transition at the end of the year.

CLASS 5 - Y6 (LAL/CLA)

					<u>CLASS 5 - Y6</u>	(LAL/CLA)				
	Number/Counting/	Plac	e Value	Measure		Addition and		Statistics		Geometry – Properties
	Sequences	(2 we	eeks)	Mass/we	ight,	Subtraction		(2 weeks)		of Shapes (Lesson
	<u>(2 weeks)</u>	Iden	tify, represent and	Capacity	//volume	(3 weeks)		Tallies and frequenc	СУ	Study)
	Count from 0 in	estim	nate numbers,	(3 weeks	<u>L</u>	Add and subtr	ract	tables.		<u>(3 weeks)</u>
	multiples of 4, 8, 50	inclu	ding using a	Measure	compare,	numbers ment	tally,	Create bar charts,		Draw 2D shapes and
	and 100.	num	ber line and	add and	subtract	including:	•	pictograms and		make models of 3D
	Find 10 or 100 more or	man	ipulatives.	masses (k	(g/g) and	- 3 digit no and	d 1s.	tables.		shapes.
nn	less than a given		d and write	volumes/		- 3 digit no and		Answer questions a	nd	Horizontal, vertical,
iur	number.	num	bers to at least	(l/ml).	, ,	- 3 digit no and		solve 1-step and 2-s		perpendicular and
Autumn		1000	in numerals and	, ,		Add and subtr		problems, such as	'	parallel lines.
		word				numbers with		'How many		,
		Com	pare and order			using formal w	ritten	more/fewer?'		
			bers to 1000.			methods.				
		Reco	ognise the place			Estimate an ar	nswer			
			e of HT and U.			and use the in				
				Pumpkin	Lanterns –	check.				
				Maths Do		Solve problem	ns.			
	Number/Counting/		Measure		Multiplication		Fractions		Med	asure
	Sequences		Time		(2 weeks)		(2 weeks	)	Mor	ney (Number objectives
	(3 weeks)		(3 weeks)	Recall and use		e the Recognis		<del></del>		IVATS)
	Count from 0 in multiples	of	Tell the time in 12 ho	our and	multiplication	and division	as numb	ers.	(3 w	veeks)
	4, 8, 50 and 100.		24 hour (and Roma	n	facts for 3, 4 a	nd 8 tables.	Use diag	rams to show	Add	d and subtract amounts
	Find 10 or 100 more or less	S	Numerals).		Multiplication	and division	equivale	nt fractions.	of m	noney to give change,
	than a given number.		Read the time to th	е	sums for tables	s the children	Add and	I subtract fractions	usin	g both £ and p in
70			nearest minute.		know, includin		with the	same denominator.	pra	ctical contexts.
Spring			Use the terms o'clo	ck,	digit, using me		Introduce	e mixed numbers.		
Spi			am/pm, morning,		progressing to					
			afternoon, noon an	ıd	written metho	ds.				
			midnight.		Solve problem	ns.				
			Know the number of							
			seconds in a minute							
			each month, year o	and leap						
			year.							
			Work out the differe	ence in						
			time between ever	nts.						

	Place Value	Addition and Subtraction	Multiplication and Division	Measure	* Geometry – Position,
	<u>(2 weeks)</u>	<u>(2 weeks)</u>	<u>(2 weeks)</u>	Length and Height	direction and motion
	Identify, represent and	Add and subtract numbers	Recall and use the	<u>(3 weeks)</u>	<u>(2 weeks)</u>
	estimate numbers, including	mentally, including:	multiplication and division	Measure, compare, add	Recognise angles and right
_	using a number line and	- 3 digit no and 1s.	facts for 3, 4 and 8 tables.	and subtract lengths and	angles – and that two make
nel	manipulatives.	- 3 digit no and 10s.	Multiplication and division	heights (m/cm/mm).	a half term etc.
ШĽ	Read and write numbers to	- 3 digit no and 100s.	sums for tables the children	Measure the perimeter of	Identify angles bigger or
Sui	at least 1000 in numerals	Add and subtract numbers	know, including 2-digit x 1-	2D shapes.	smaller than right angles.
	and words.	with HTU using formal	digit, using mental and		(Taken from Properties of
	Compare and order	written methods.	progressing to formal		Shapes).
	numbers to 1000.	Estimate an answer and use	written methods.		
	Recognise the place value	the inverse to check.	Solve problems.		
	of HT and U.	Solve problems.		SPORTS DAY PRACTICE	

<sup>\*</sup> Taught by new teacher during 2 week transition at the end of the year.

YEAR 7 (IBO)

					<u>YEAR 7 (</u>	IRO)				
	Number/Counting/	Plac	e Value	Addition	and	Multiplication	and	Geometry - Proper	ties	Fractions
	Sequences	(2 w	<u>reeks)</u>	Subtracti	on	Division		of Shapes		<u>(2 weeks)</u>
	<u>(2 weeks)</u>	Ider	ntify, represent and	(3 weeks	<u> </u>	(3 weeks)		(3 weeks)		Diagrams of common
	Count backwards	estir	nate numbers,	Add and	subtract	Recall multiplication &		Compare and classify		equivalent fractions.
	through 0 to include	inclu	uding using a	numbers with up to 4		division facts t	o 12x12.	(sort) geometric		Decimal equivalents of
			digits usir	ng formal	Recognise and	d use	shapes based on th	neir	tenths, hundredths, ¼,	
	Count in multiples of 6,	mar	nipulatives.	written m	ethods.	factor pairs &		size and properties.		1/2, 3/4.
U	7, 9, 25 and 1000.	Con	npare and order	Two-step	problems	commutativity	/ in	Identify lines of		Counting up and
ш	Find 1000 more or less	num	bers beyond 1000.	involving	addition and	mental maths.		symmetry in differen	nt	down in hundredths.
Autumn	of a number.	Rec	ognise the place	subtracti	on.	Multiplying an	d	orientations.		Mixed numbers.
$\forall$		valu	e in ThHTU.	Estimate and use		dividing 1- and		Complete a		Adding fractions with
		Rou	nd numbers to the			numbers by 10	and a	symmetrical figure	or	the same
		nea	rest 10, 100, 1000.	check.		•		pattern.		denominator.
					Multiply 2-digit a		t and 3-	Acute and obtuse		
						digit numbers	by 1-	angles.		
						digit numbers		Ordering angles by	,	
						formal written	•	size.		
						methods.				
	Number/Counting/		Measure		Measure		Measure		Add	dition and Subtraction
	Sequences		Mass/weight,		Time		Money (	Number objectives	(2 v	veeks)
	<u>(2 weeks)</u>		Capacity/volume		<u>(3 weeks)</u>		in PIVATS	<b>()</b>	Add	d and subtract numbers
	Count backwards through	gh 0	<u>(3 weeks)</u>		Read, write ar	nd convert	(3 weeks	1	with	n up to 4 digits using
	to include negative		Converting between	en	time between	analogue	Add, sub	tract, multiply and	forn	mal written methods.
D	numbers.		different units of me	easure	and digital 24	hour clocks.	divide ar	mounts of money to	Two	o-step problems involving
Spring	Count in multiples of 6, 7,	, 9,	(g/kg or ml/l).		Solve problem	is converting	give cha	nge, using both £	add	dition and subtraction.
Sp	25 and 1000.		Estimating and med	asuring.	from hours to r	minutes,	and p in	practical contexts.	Estir	mate and use inverse
	Find 1000 more or less of	а			minutes to sec	conds, years			ope	erations to check.
	number.				to months, we	eks to days.				
	Comparing and ordering	9			Introduce time	etables.				
	numbers with up to 2		Great Milton Bake (	Off –						
	decimal places (fraction	ıs).	Maths Day							

	Measure	Place Value	Multiplication and Division	Statistics	* Geometry – Position,
	Length and Height	<u>(2 weeks)</u>	<u>(2 weeks)</u>	<u>(2 weeks)</u>	direction and motion
	<u>(3 weeks)</u>	Identify, represent and	Recall multiplication &	Tallies and frequency	<u>(2 weeks)</u>
	Converting between	estimate numbers, including	division facts to 12x12.	tables.	Coordinates in the first
ē	different units of measure	using a number line and	Recognise and use factor	Interpret and present data	quadrant – plot points and
Ш	(mm/cm/m).	manipulatives.	pairs & commutativity in	in bar graphs and line	draw shapes.
υľ	Estimating and measuring.	Compare and order	mental maths.	graphs.	Describe movements
S	Measure and calculate the	numbers beyond 1000.	Multiply 2-digit and 3-digit	Compare, sum and	between positions as
	perimeter of rectangles.	Recognise the place value	numbers by 1-digit numbers	difference problems based	transitions.
	Measure and calculate the	in ThHTU.	using formal written	on them.	
	area of rectangles by	Round numbers to the	methods.		
	counting squares.	nearest 10, 100, 1000.			

<sup>\*</sup> Taught by new teacher during 2 week transition at the end of the year.

YEAR 8 (SRE & JEL)

				YEAR 8 (SR			•		
	Number/Counting/	Place Value	Addition		Geometry – Pr	operties	Multiplication and		Fractions
	Sequences	<u>(2 weeks)</u>	Subtracti	on	of Shapes		Division		<u>(2 weeks)</u>
	<u>(2 weeks)</u>	Read, write, order and	(3 weeks	L	<u>(3 weeks)</u>		(3 weeks)		Identify, name and
	Count forwards or	compare numbers to	Add and	subtract	Know the difference		Multiples and factors.		write equivalent
	backwards in steps of	at least 1,000,000 and	whole nu	mbers with	between regular and		Use long multiplication		fractions.
	powers of 10 for any	determine the value of	more tha	ın 4-digits	irregular polyg			digit	Read and write
	given number up to	each digit.	using forr	mal written	Identify 3D sho	apes	numbers by 1- or 2-		decimal numbers as
	1,000,000.	Round any number up	methods	•	from 2D		digit numbers.		fractions.
IJL	Count forwards and	to 1,000,000 to the	Add and	subtract	representation	ns.	Use short division to		Compare and order
Autumn	backwards with	nearest 10, 100, 1000,	increasin	gly large	Use the prope	rties of	divide up to 4-digit		fractions, including
AL	positive and negative	10,000 and 100,000.	numbers,	, mentally.	rectangles to	work out	numbers by a 1-dig	it	fractions >1.
	numbers, including through zero.  Round decimals with 2 Multi-step problem involving addition		o problems	missing length	s and	number.		Use common factors	
			addition and	angles.		Problems involving		to simplify fractions.	
		nearest whole	subtraction		Estimate and r	Estimate and measure r			Add and subtract
	· · · · · · · · · · · · · · · · · · ·		Rounding	g to check	angles in degrees.		Square numbers and		fractions with the
			answers t	to	<u> </u>		cube numbers.		same denominator.
			calculation	ons.	point on a stro		Prime numbers.		Multiply fractions.
					(total 180°) an	ıd within			Percentages.
					a whole turn (	360°).			
	Number/Counting/	Measure		Measure		Measure		Add	dition and Subtraction
	Sequences	Mass/weight,		Money (Numb	er objectives	Time	<u>(2 v</u>		<u>veeks)</u>
	<u>(2 weeks)</u>	Capacity/volume		in PIVATS)		(3 weeks		Add	d and subtract whole
	Count forwards or	<u>(3 weeks)</u>		<u>(3 weeks)</u>		Solve pro	blems involving	nun	nbers with more than 4-
	backwards in steps of	Convert between	g/kg,	Add, subtract,		convertir	ng between units of	digi	ts using formal written
	powers of 10 for any give	en ml/l.		divide amoun	ts of money to	time.		met	thods.
Spring	number up to 1,000,000.	Estimate and mea	sure	give change,	using both £		and interpreting	Add	d and subtract
Ori	Count forwards and	weight and		and p in pract	tical contexts.	timetable	es (Statistics).	incr	reasingly large numbers,
Sp	backwards with positive	capacity/volume.							ntally.
	and negative numbers,	Approximate equi							ti-step problems
	including through zero.	between metric a	nd					invo	olving addition and
		imperial units.							traction.
								Rou	inding to check answers
		Great Milton Bake	Off –					to c	calculations.
		Maths Day							

	Place Value	Multiplication and Division	Measure	Statistics	* Geometry – Position,
	<u>(2 weeks)</u>	<u>(2 weeks)</u>	Length and Height	<u>(2 weeks)</u>	direction and motion
	Round any number up to	Multiples and factors.	<u>(3 weeks)</u>	Complete, read and	<u>(2 weeks)</u>
	1,000,000 to the nearest 10,	Use long multiplication to	Convert between	interpret information in	Coordinates in the first
	100, 1000, 10,000 and	multiply up to 4-digit	km/m/cm/mm.	tables, including timetables.	quadrant.
	100,000.	numbers by 1- or 2-digit	Measure and calculate the	Compare, sum and	Describe the position of a
_	Round decimals with 2	numbers.	perimeter of composite	difference problems based	shape following a reflection
nel	decimal places to the	Use short division to divide	rectilinear shapes in cm and	on them.	or translation, knowing the
Sumn	nearest whole number/one	up to 4-digit numbers by a	m.	Introduce pie charts.	shape has not changed.
Sul	decimal place (Fractions).	1-digit number.	Work out the area of	Calculate and interpret the	
	Ordering numbers with up	Problems involving	rectangles using standard	mean as an average.	Revisit:
	to three decimals places	remainders.	units (cm $_2$ and m $_2$ ).		Estimate and measure
	(Fractions).	Square numbers and cube	Approximate equivalences		angles in degrees.
		numbers.	between metric and		Work out angles on a point
		Prime numbers.	imperial units.		on a straight line (total 180°)
					and within a whole turn
					(360°).

<sup>\*</sup> Taught by new teacher during 2 week transition at the end of the year.

YEAR 9 (LBA)

		1			ILAK 7 (LDA)					
	Addition,	Money (Number	Ratio		Statistics	Geomet	ry –	Measure		Measure
	Subtraction,	objectives in	(2 weeks)	l .	(2 weeks)	Propertie	es of	Length/heig	ıht,	Area and
	Multiplication and	PIVATS)	Solve problems		Interpret and	Shapes		Mass/weigh	ıt,	Perimeter
	Division	<u>(2 weeks)</u>	involving the		construct pie	(3 weeks	<u>s)</u>	Capacity/ve	olume	<u>(2 weeks)</u>
	(2 weeks)	Add, subtract,	calculation of		charts and line	Draw 2D	shapes	(2 weeks)		Recognise that
	Revise calculation	multiply and divide	percentages of		graphs.	using giv	en .	Úse, read, w	/rite	shapes with the
	skills through multi-	amounts of money	whole numbers of	or	Calculate and	dimensio	ons and	and conver	t	same area can
nn	step problems.	to give change,	measures such a	as	interpret the mean	angles.		between sto	andard	have different
Autumn	Perform mental	using both £ and p	15% of 360 and t		as an average.	_	and build	units of leng	ith,	perimeters, and
Ų	calculations,	in practical	use of			3D shape	es – nets.	weight and	,	vice versa
	including mixed	contexts.	percentages for				se angles	volume.		Calculate the area
	operations and		comparison.				ney meet	Convert bet	ween	of parallelograms
	large numbers.		Corrip di isorii.				nt, are on	miles and kr		and triangles.
	large Herricols.					a line or		Trinos diria ki	• • •	Recognise the
							opposite.			formulas to work
							ing angles.			out area and
						11110 111133	ing angles.			capacity.
	AQA	AQA		V9 C	hildren to join in with					capacity.
	The Four Operations		lar and Time		at Milton Bake Off –					
g	o The roof Operations		idi dila lililo		hs Day					
Spring				/*\	nis Day					
S										
	AQA									
<u> </u>	Properties of Numbe	r								
Summer	·									
m										
SL										

YEAR 10 (JTU)

			TEAR TO (STO)	
	AQA	AQA		
ИL	Ratio	Measures		
Autumn				
۲۰۱				
	101	404		
	AQA	AQA		
D <sub>I</sub>	The Four Operations	The Calendar and Time		
Spring				
Sp				
	AQA	Consolidation of skills.		
_	Money	Ensure all portfolios are		
me	,	completed and evidence		
Summer		ready to pass to Y11.		
SL		, ,		

YEAR 11 (NPR )

			I EAR II (INI K.)	
C	AQA Statistics	AQA Geometry		
Autumn				
Spring	AQA Money	Pathway 1 Exam preparation for Level 1/2 Functional Maths Paper	Pathway 2 Functional Maths focus – money and time real life skills. Pre-Entry Level qualifications unit(s).	
Summer	Pathway 1 Exam preparation for Level 1/2 Functional Maths Paper	Pathway 2 Functional Maths focus – money and time real life skills. Pre-Entry Level qualifications unit(s).		