Year 2 mathematics curriculum overview

	Block 1											
	1	2	3	4	5	6	7	8	9	10	11	12
Y2	Place value (U1)		Addition and subtraction (U1)		Multiplication and division (U1)		Time		Fractions (U1)		Geometry	

	Block 2											
	1	2	3	4	5	6	7	8	9	10	11	12
Y2	Money (U1)		Place value (U2)		Addition and subtraction (U2)		Multiplication and division (U2)		Fractions (U2)		Statistics	Place value (U3)

	Block 3											
	1	2	3	4	5	6	7	8	9	10	11	12
Y2	Calculation		Money (U2)	Length	Mass and volume	Patterns and relationships	School to determine focus					

The yearly overview is a broad guide to suggested coverage over the course of the academic year.
There are 39 school weeks, one week taken for INSET, leaving 38. Two of the 38 are generally taken up with trips, sports days, concerts and so on, leaving 36. The three 'blocks' are each 12 weeks long. Clearly the 12 weeks don't map directly to terms, they are not intended to. Where the table header has been highlighted in blue, this indicates that planning will be provided by *Effective Maths*. Please see the publication dates (on website) for details of when resources will be online.

Remembering content and making connections - Education Inspection Framework

In the 2023/24 block overviews that follow, the intention is to provide extremely clear signposting to the quizzes designed to support children in **remembering the key content they have been taught**. And, through the RTP[1] focuses, **integrate knowledge into larger concepts**. Teachers and leaders need to use assessment well, for example to help children embed and use knowledge fluently or to check understanding and inform teaching. But they also need to do this in a way that **does not create unnecessary burdens for staff or children**. The quizzes are ideal for this purpose. (These points - remembering key content, integrating knowledge and not creating burdens - are directly linked to bullet points 3 and 4 in the 'implementation' section of the current Education Inspection Framework.)

The RTP quiz focuses are linked to what the DfE describe as 'the most important knowledge and understanding within each year group'. These criteria very often require children to have command of a wider domain of knowledge than the mathsquiz.net quizzes do. The quizzes on mathsquiz.net **deliberately** take smaller steps. The aim of **both** is to provide teachers and leaders with several ways of supporting children's ongoing progress. For example, through sharing links for mathsquiz.net quizzes with parents/carers (so children continue to practise a core skill such as knowing the 8 × table) and then following up a child's work at home with a quiz session in school to ascertain progress. The RTP quiz focuses are designed to be mini-assessments carried out in school. Taken together, the quizzes and the paper-based end of unit assessments, provide schools with a range of simple strategies to assess the planned/intended curriculum, as opposed to using generic assessments not linked to the curriculum. In particular, the quizzes have the added advantage of being self-marking, easy to repeat and can be shared with parents/carers to support children' learning at home.

Notes

Some RTP focuses are not best assessed by electronic means.
For Y2 this is 2AS-2 (recognise subtraction structure of 'difference' – a theme that runs through many lessons.)
And also the 3-D parts of 2G-1 (Describe and compare 2D and 3D shapes) although there is a quiz focusing on 2-D shapes.

	Block 1	Block 2	Block 3
Number of quizzes	17	8	6
Number of RTP quizzes	3	7	2

[1] RTP Ready to Progress

Year 2 mathematics curriculum

	Block 1											
	1	2	3	4	5	6	7	8	9	10	11	12
Y2	Place value (U1)		Addition and subtraction (U1)			Multiplication and division (U1)		Time	Fractions (U1)		Geometry	
	[1] Reading and writing numbers to 100 in numerals [2] Reading and writing numbers to 100 in words [3] Partitioning [4] Trading games [a] [5] Trading games [b] [6] Identifying and representing numbers ☼MQ [7] Comparing and ordering numbers ☼MQ		☼ **RTP 2NF–1←**[1] [1] Number bonds for 20 ☼MQ [2] Problem solving involving number bonds for 20 [3] Add a two-digit number and ones (no exchanging) [a] [4] Add a two-digit number and ones (no exchanging) [b] [5] Add multiples of ten ☼MQ [6] Using 'friendly number pairs' to add [7] Subtract a two-digit no and ones (no exchanging) [8] Subtract multiples of ten [9] Subtract ones from a multiple of ten [10] Add single digit numbers (making the next ten) ☼MQ [11] Subtract a single digit number from 11-20 (making the previous ten) ☼MQ [12] Solving problems			[1] Groups and equal groups [2] 5 × table ☼MQ [3] 10 × table ☼MQ [4] 2 × table ☼MQ [5] Division: sharing by 2 [6] Division: making groups of 2 ☼MQ [7] Odd and even numbers [8] Dividing by 5 ☼MQ [9] Dividing by 10 ☼MQ Children may be ready for ☼ **RTP 2MD–1←** ☼ **RTP 2MD–2←** (or do these after U2)		[1] O'clock and half past (revision) [2] Quarter past [3] Quarter past and quarter to ☼MQ [4] Different ways of saying the time: quarter past 3 = 3:15 ☼MQ [5] 5 minutes past and different ways of saying times ☼MQ [6] Minutes, hours and days [7] Finding durations of events	[1] Understanding fractions as equal parts [2] Halves and quarters [3] Thirds [4] Naming fractions ☼MQ [5] Comparing and ordering fractions [a] [6] Comparing and ordering fractions [b] [7] Finding half ☼MQ		[1] 2-D shapes ☼MQ [2] Drawing 2-D shapes [3] Symmetry [a] [4] Symmetry [b] [5] Moving shapes [6] Turning shapes [7] 3-D shapes [8] 3-D shapes [9] Revision of unit (You may want to save this for before KS1 SATS.)	

[1] RTP 2NF-1 focuses on number bonds and related facts, key skills for future success in Y2. Start + and – U1 reviewing these skills: the lessons are in the Y2 bridging unit.

☼indicates a quiz linked to the content of the lesson/s. ☼MQ means the quiz is accessible via mathsquiz.org

☼RTP means it is a Ready to Progress quiz. Where a RTP quiz also has a backward arrow symbol, ←, this is to indicate that the RTP focus also encompasses key content from earlier lessons: see RTP page on main website for details.

Year 2 mathematics curriculum

	Block 2											
	1	2	3	4	5	6	7	8	9	10	11	12
Y2	Money (U1)		Place value (U2)	Addition and subtraction (U2)			Multiplication and division (U2)		Fractions (U2)	Statistics		Place value (U3)
	[1] Recognise coins and notes; use symbols for pounds and pence [2] Addition of pence to 20p [3] Counting money and comparing amounts of money [4] Finding the total amount [5] Find the total amount (by making the next £10) [6] Equivalence [7] Change [8] Solving problems ☼MQ Y2 quiz covers: Equivalence, money problems, addition and subtraction		[1] Reading and writing numbers to 150 [2] Counting in tens [3] Counting in fives [4] Counting forwards in threes [5] Counting backwards in threes ☼MQ [6] Identifying and representing numbers [7] Ordering and comparing numbers ☼MQ	[1] 2-digit number + 1-digit number (making the next ten) ☼ **RTP 2AS–1←** [2] 2-digit number + 1-digit number (expanded column) [3] 2-digit number + 1-digit number (compact column method) [4] 2-digit number - 1-digit number (making previous ten) ☼ **RTP 2AS–1←** [5] 2-digit number - 1-digit number(compact column method) [6] Adding two 2-digit numbers (partitioning) [7] Adding two 2-digit numbers (expanded column method) [8] Adding two 2-digit numbers (compact column method) [9] Subtracting a 2-digit number from a multiple of ten (partitioning the subtrahend) ☼ **RTP 2AS–3** [10] Subtracting a 2-digit number from a 2-digit number (partitioning the subtrahend) [11] Subtracting a 2-digit number from a 2-digit number (compact column method)			[1] 10 × table and related facts [2] Multiplication and division problems linked to 10 × table [3] 5 × table and associated problems [4] Dividing by 5 and associated problems [5] 2 × table (and understanding commutative relationships using the multiplication grid) [6] Dividing by 2 and associated problems [7] Multiplication problems ☼MQ ☼ **RTP 2MD–1←** ☼ **RTP 2MD–2←** **(If not done in U1)**		[1] Finding half (revision) [2] Finding one quarter [3] Finding quarters [4] Finding one third ☼MQ Finding halves and quarters	[1] Sorting data [2] Sorting data [3] Sorting data [4] Sorting data (Venn diagrams) [5] Sorting data (Venn diagrams) ☼MQ [6] Pictograms [7] Bar charts [8] Interpreting bar charts [9] In the pet shop (Interpreting representations of data: tables, tally charts, bar charts and pictograms)		[1] Identifying and representing numbers [2] Reading and writing numbers (to 200 in numerals and words) ☼MQ [3] Counting ☼MQ [4] Ordering and comparing numbers [5] Identifying and representing numbers ☼ **RTP 2NPV–2←** [6] Partitioning ☼ **RTP 2NPV–1←**

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	Block 3											
	1	2	3	4	5	6	7	8	9	10	11	12
Y2	Calculation		Money (U2)	Length	Mass and volume	Patterns and relationships	School to determine focus					
	[1] Adding two 2-digit numbers using partitioning (revision) ☼RTP 2AS–4← [2] Adding two 2-digit numbers using column methods (revision) [3] Subtracting a 2-digit number from a 2-digit number by partitioning the subtrahend (revision) ☼RTP 2AS–4← [4] Subtracting a 2-digit number from a 2-digit number using the column method (revision) [5] Equivalent calculations [6] Subtraction word problems ☼MQ [7] Subtraction empty box problems [8] Balanced equations ☼MQ [9] Doubling and halving [10] Doubling and halving [11] Multiplication and division problems		[1] Adding amounts of money (coins) [2] Adding amounts of money (notes) [3] Subtracting amounts of money [4] Multiplying amounts of money [5] Dividing amounts of money ☼MQ Adding and subtracting amounts of money	[1] Measuring using centimetres and making estimates [2] Measuring using metres and making estimates [3] Comparing and measuring in centimetres ☼MQ [4] Comparing lengths in metres	[1] Measuring in kilograms [2] Measuring in grams ☼MQ [3] Comparing volume (revision of Year 1) [4] Measuring in litres and millilitres [5] Solving problems	[1] Growing patterns [2] Finding the odd one out ☼MQ [3] Presents for Buster [4] Sequences [5] Hopscotch	If time exists, it is suggested it is used to revisit the Ready to Progress focuses.					

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