

#### Maths Information

Year 2

# We will cover

- Scheme of work
- Assessment
- Vocabulary
- Key methods taught & equipment used
- Useful websites and Apps



#### Scheme of work

As a school we use White Rose Maths as a guide for our maths teaching. This is then supported by a number of other schemes such as Hamilton, Abacus and Maths on target.

In Year 2, the children learn through a spiral scheme, covering all areas multiple times, with each visit deepening their understanding.



	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Michaelmas	Place value	Addition and		2D shapes and symmetry	Comparing and ordering numbers	Fractions	5 times tables Half term assessment	Money	Time – o'clock and half past	Doubling and halving	Measuring: Length	Data: Tally graphs End of term assessment	Christmas themed maths
Lent	Place value	Fractions - quarters	Time - quarter to and past	Addition and subtraction		3D shapes Half term assessment	Measure - Mass	Multiplicatio n - counting in 3s	Temperatur e	Data: Pictograms			
Summer	Symmetry and Pattern	Addition and Subtraction		Time - duration PTM assessment	Fractions - thirds & equivalent	Measure - volume	Multiplication & division		Data: block diagrams	End of Year - transition work			

#### **Assessment**

So as to monitor the children's progress they will have half termly and end of term tests, assessing their understanding of the areas covered and providing us with a clear picture in their knowledge.

The children will also have a weekly mental arithmetic test, which will develop their understanding of vocabulary and application of their in class learning to a 10 question weekly test.

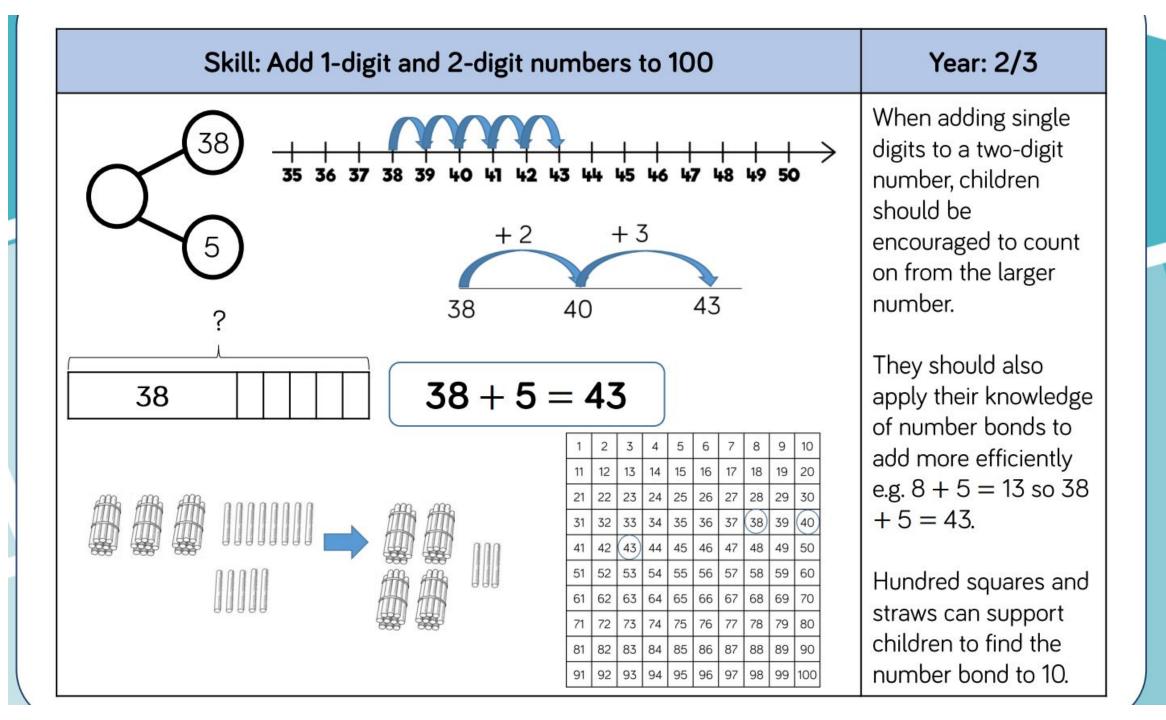
In addition, the children complete a PTM test in May 2023, giving them a standardised score (a score indicating where they stand nationally, against their age)

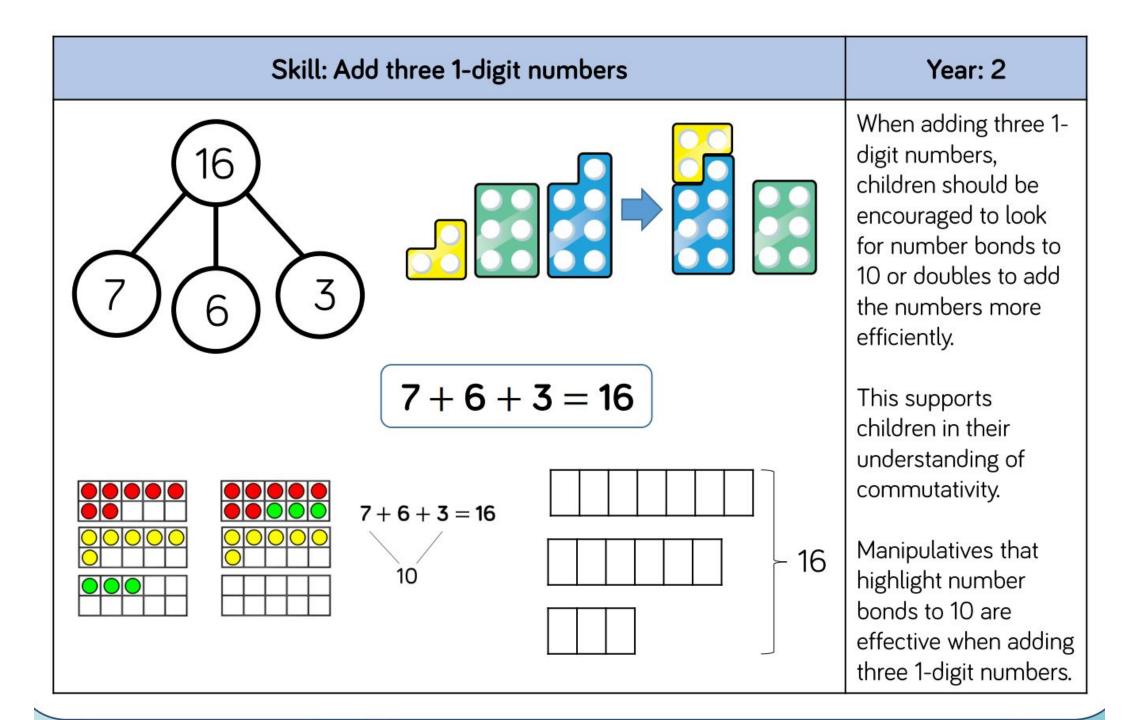


# Vocabulary

X Other Multiply Add Subtract **Hundreds** Halve Multiple Addition Minus Group Tens Take away times share Plus Ones Difference Divide Total double Partition Sum of Division Reduce Area Calculate Perimeter 2D & 3D shapes These are the key methods that we use to help teach the students new concepts. As you can see we teach them a range of different approaches to allow them to which method they prefer.

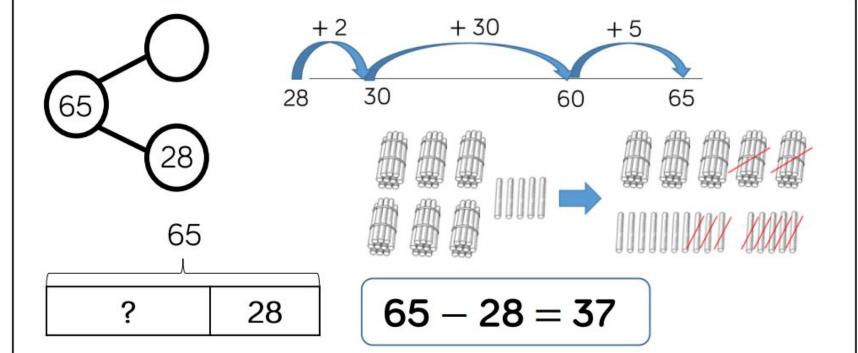




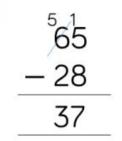


#### Skill: Add two 2-digit numbers to 100 Year: 2/3 At this stage, +2 +2138 encourage children to use the formal column method when calculating alongside 23 straws, base 10 or place value counters. As numbers become larger, straws become 38 + 23 = 6138 23 less efficient. Children can also use a blank number line Tens Ones Tens Ones to count on to find 38 ..... the total. Encourage +23them to jump to 61 multiples of 10 to become more efficient.

#### Skill: Subtract 1 and 2-digit numbers to 100



Tens	Ones
	> XXXX



Tens	Ones
10 10 10	00000
Ø Ø Ø	
4	000000
	ØØØØØ

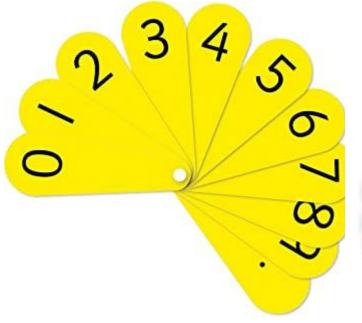
Year: 2

At this stage, encourage children to use the formal column method when calculating alongside straws, base 10 or place value counters. As numbers become larger, straws become less efficient.

Children can also use a blank number line to count on to find the difference.
Encourage them to jump to multiples of 10 to become more efficient.

## Equipment

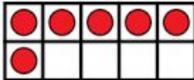
- Number line
- Number square
- Dienes blocks
- Numicon
- Number fan
- Ten frame
- Counting beads
- Weighing scales
- Rulers
- Tape measures
- Beads
- Mini clocks
- Shapes





1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100







### Websites and Apps

#### **Websites**

- TT Rockstars website and app available
- Maths shed
- Hit the button
- Topmarks
- Speedboat Addition & Subtraction
- Nrich games
- BBC Maths games

#### **Apps**

- Squeebles (times tables)
- Math Bingo
- Numberblocks
- Monster Maths
- BeeBots



