

How we enrich our maths curriculum.

Why do we use 'I see maths'?

From Year one, our curriculum is enriched with Gareth Metcalf's extension activities to develop reasoning through activities and games. You can find resources for use at home on the 'I see maths' website.

<https://www.iseemaths.com/>

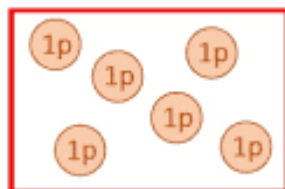
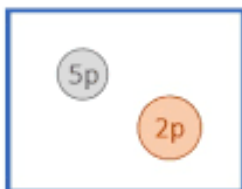
Great maths teaching makes learning visual; it provokes deep thought and discussion; it captivates.

I See Maths provides innovative training and resources to promote deep learning in primary maths - learning that sticks.



Read the picture

Which is more money?



Explain the mistake

$$5 + 3$$

5, 6, 7



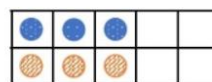
True or false?

✓ x

Is it  $\frac{1}{2}$  blue?

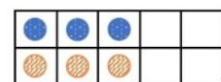


I know... so...



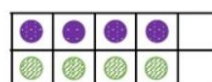
$$3 + 3 = 6$$

$$4 + 3 = \square$$



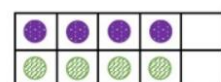
$$3 + 3 = 6$$

$$5 + 3 = \square$$



$$4 + 4 = 8$$

$$4 + 5 = \square$$



$$4 + 4 = 8$$

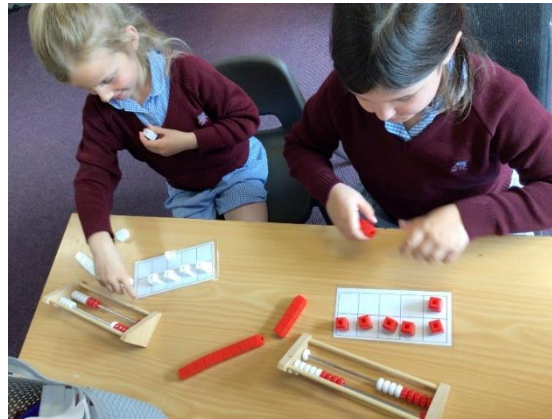
$$\square + 4 = 7$$

## Why do we use 'Mastering Number' in reception and Key Stage 1?

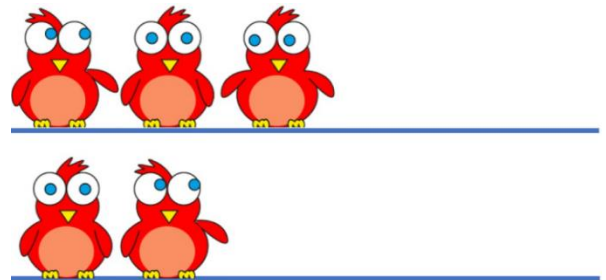
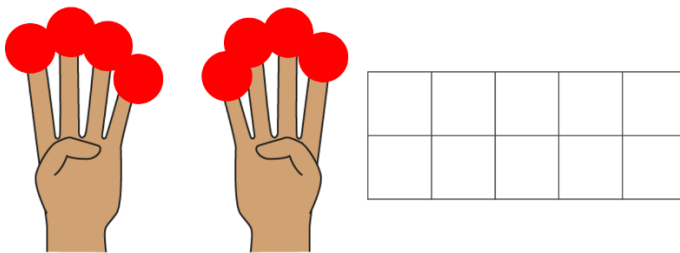
Click this link to find out more about NCETM's mastering number scheme.



<https://www.ncetm.org.uk/maths-hubs-projects/mastering-number-at-reception-and-ks1/>



Double 4 is 8



There are 5 birds; \_\_\_\_ on the top, and \_\_\_\_ on the bottom.

Mastering Number is an initiative from NCETM delivered by the Maths Hubs around the country. It was introduced in 2021. Each child in YR, Y1 and Y2 uses a rekenrek and clear visuals on the board to help them develop their subitising skills and mental fluency. It includes resources from the number blocks which you can find on the BBC website:

<https://www.bbc.co.uk/cbeebies/shows/numberblocks?scrllybrkr=5897ac3d>

At the William Alvey School, we have rapidly seen positive results. As the children enter Key Stage 2, their improved fluency helps them to make links with larger numbers and they can solve problems more rapidly, with fewer errors.

### Links across the curriculum

Don't think we only use maths in maths lessons! We measure in Science, DT and Art. We use our knowledge of numbers to help us with dates in History, dividing and space in PE and statistics and figures in Geography. We know maths is necessary in everyday life and it is naturally woven into our whole curriculum.