Welcome

Key Stage 1 and 2
Maths Parent Workshop

Aims of the workshop

The main aims of this workshop are to:

- Inform parents of the new curriculum expectations for maths within Key stage 1 and 2.
- Show you where you can find useful information on our website, including our new Maths Parent Handbook .
- Offer ideas about how you can support your child with maths at home.

What's changed in the new curriculum?

- The revised National Curriculum for Mathematics was introduced in September 2014.
- Expectations have been raised in each year group with many aspects having to be taught at least a year earlier than in the previous curriculum

Changes in Year 2

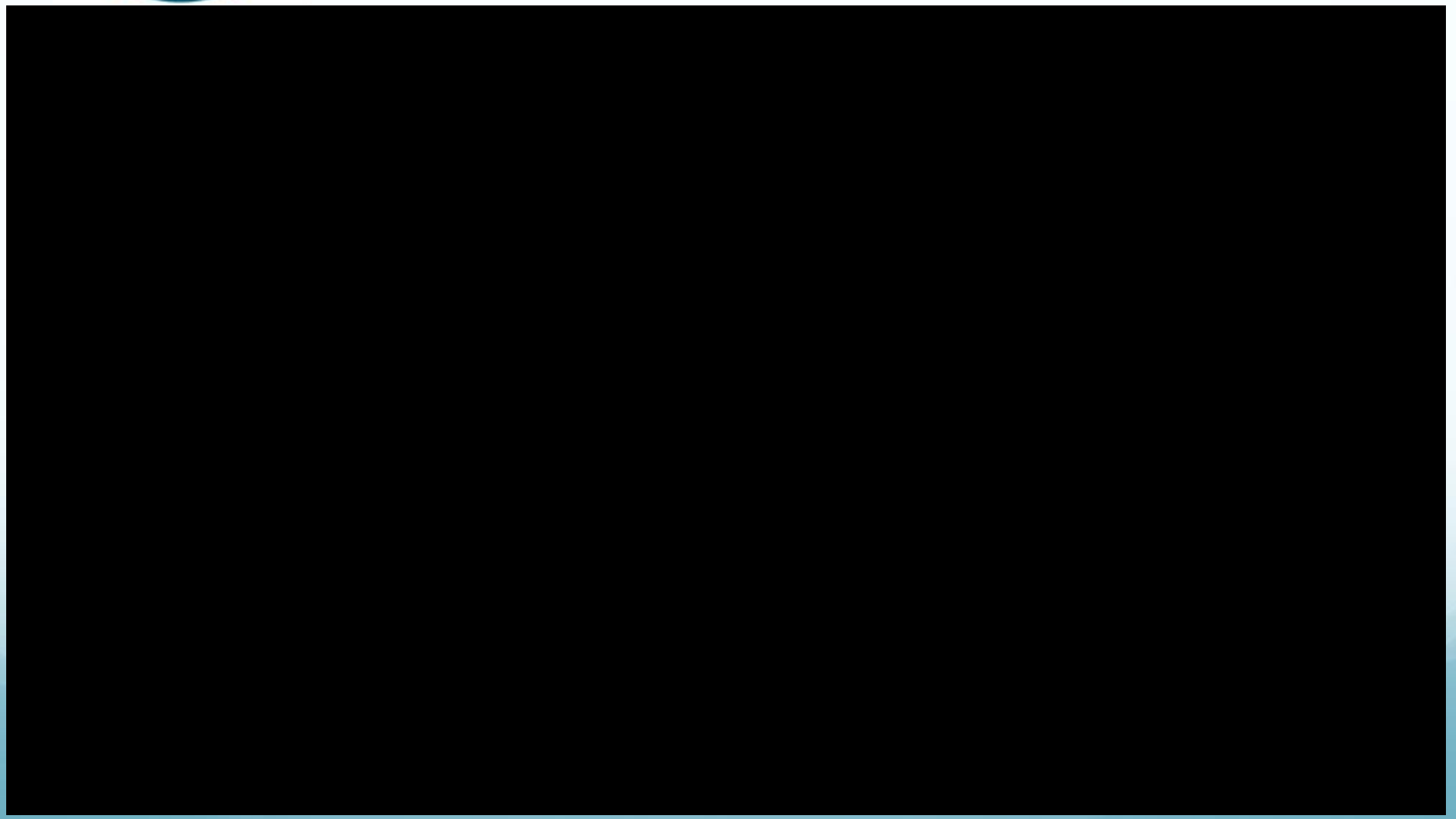
What's gone?	What's been added?
• Rounding two-digit numbers to the nearest 10 • Halving/doubling no longer explicitly required • Using lists/tables/diagrams to sort objects	• Solving problems with subtraction • Finding/writing fractions of quantities (and lengths) • Adding two 2-digit numbers • Adding three 1-digit numbers • Demonstrating commutativity of addition & multiplication • Describing properties of shape (e.g. edges, vertices) • Measuring temperature in °C • Tell time to nearest 5 minutes • Make comparisons using < > = symbols • Recognise £ p symbols and solve simple money problems*

*Was required in 2000 Programme of Study for KS1

Changes in Year 6

What's gone?	What's been added?
• Detail of problem-solving processes no longer explicit • Divisibility tests • Calculator skills move to KS3 PoS • Rotation moves to KS3 • Probability moves to KS3 • Median/Mode/Range no longer required	• Compare and ordering fractions greater than 1 • Long division • 4 operations with fractions • Calculate decimal equivalent of fractions • Understand & use order of operations • Plot points in all 4 quadrants • Convert between miles and kilometres • Name radius/diameter and know relationship • Use formulae for area/volume of shapes • Calculate area of triangles & parallelograms • Calculate volume of 3-d shapes • Use letters to represent unknowns (algebra) • Generate and describe linear sequences • Find solutions to unknowns in problems

Learning Number Bonds



Helping with Number Bonds

- Use counters, buttons, Lego pieces to practise making number bonds to 10. Ask questions such as: What do you add to 3 to make 10? What do you add to 2 to make 10? Encourage them to use the counters to work it out.

- Make number cards to 10 or 20. Ask your child to match them up into number
- pairs or number bonds (this can also be done like a game of Snap).

- Write a list of numbers to 10 or 20. Can your child work quickly to write down the bond which makes a pair? eg 6 and 4 (to make 10) or 1 and 19 (to make 20).

- Sing a number bond song: https://www.youtube.com/watch?v=jJFbJxXYaLw

- Play a number bond game online at: http://www.topmarks.co.uk/maths-games/hit-the-button

Helping with Times Tables

- Times tables are a vital life skill and provide the foundation for many aspects of mathematics.
- New National expectations for Times Tables mean that practise at home is vital.
- By Year 4, children need to know up to the 12 times table.
- The aim is to know all times table facts in order, out of order and inside out, giving answers within 3 seconds.
- A new guide is available to support learning of Times Tables at home.

Times Table Top Tips

- Initially, stick to one times table at a time to avoid confusion.
- Chanting and writing out tables, in order and then out of order.
- Remind your child that 3x4 is the same as 4x3.
- Time tables are best learnt in a particular order.
- There are lots of useful games and websites available to make learning fun, shown in the handbook.
- Learn square numbers eg 2x2 = 4, 5x5=25
- With harder tables, remind children that they know facts from other tables already eg 7x2=14
- Remembering answers alone eg 3,6,9,12 does not help.
- Find more advice in the handbook!

Website

- We are building up a bank of resources on our website.
- We are in the process of making some maths tutorial videos.
- We will have examples ready for you to view after the talk.

http://www.stnicolasmary.w-sussex.sch.uk/

Please feel free to try some practical maths problems and ask us questions.

Thank you for coming!