



## **SOUTHWOOD COUNTY INFANT SCHOOL**

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Headteacher: Mrs Wendy Southgate

26<sup>th</sup> February 2018

Dear Year 1 and Year 2 Parents,

### **Number Bond Challenge**

When the new National Curriculum was published in September 2014 there was a greater emphasis on children knowing number facts. Number facts are basic addition, subtraction, multiplication and division calculations which children should learn to recall instantly with no working out (in other words, they need to learn them off by heart).

Number facts are sometimes referred to as number bonds (addition and subtraction) and times tables with related division facts (multiplication and division).

#### **Year 1**

In Y1 children learn and use the addition and subtraction facts to 20 (this includes **number bonds** to 20). This means they will become familiar with and practise all the different combinations of adding and subtracting numbers to a total of 20 (for example,  $2 + 16 = 18$ ,  $17 - 5 = 12$ ,  $5 + 3 = 8$ ,  $6 + 7 = 13$ ,  $20 - 9 = 11$ , etc)..

#### **Year 2**

In Y2 children consolidate their knowledge of number facts to 20 and develop fluency when recalling the facts (learn them off by heart). Children also learn to use the number bonds to 20 to derive related facts up to 100; for example, if they know  $2 + 3 = 5$  then they understand that  $20 + 30 = 50$ . Multiplication and related division facts for the 2, 5 and 10 times tables are also learned in Year 2.

Knowing your number bonds fluently up to ten is one of the foundations to more complex arithmetic such as adding and subtracting and also mental addition and subtraction to 100 and beyond.

### **The Challenge!**

As the children need to know all of these facts we have decided set up a number bond challenge where the children will be given number facts to learn each week as they do with their spellings.

We have assessed all of the children and they will all begin at different starting points according to their ability.

**Excellence- Respect- Enjoyment**

Administrative Officer: Mrs. Alison Paddy

The number facts the children will be learning are as follows: Number bonds to 5, number bonds to 10, number bonds to 20. They will then move on to multiplication facts  $\times 2$ ,  $\times 5$   $\times 10$ .

Once they are confident with these facts, they will move on to halving and doubling numbers mentally. However there is scope to challenge the children further if needs be. When your child has learnt their number facts, they will receive a certificate to show that they have successfully learnt them and they will move on to the next set of number facts.

We are hoping that the children will then become more fluent with the mental recall of their number facts and they will begin to use and apply them when solving problems.

What we would like you to do:

- You will receive your book with the number facts to learn on Monday 5<sup>th</sup> March.
- Look inside to see what your child needs to learn.
- The test will take place every Monday, please make sure your book is in school on this day.
- Practise them all the time - remember it is mental fluency so they should not write them down or use fingers. They should know them as automatically as they know their name or the alphabet.
- Have a look at the hall display to see which balloon your child is on.

If you have any questions please see your child's class teacher.

Yours sincerely,

Siân Laver  
**Maths Manager**