

# EVERY CHILD COUNTS

## MATHS INTERVENTIONS

Spring 2017

Every Child Counts has 4 'families' of mathematics intervention programmes, each meeting the needs of targeted groups of pupils. All come with extensive, attractive ready-to-use resources, written guidance manuals and the highest quality face-to-face training.

Teachers and teaching assistants can start teaching straight after their first training day and then the training runs parallel with their teaching in their training term.

**NUMBERS COUNT** TEACHER-LED, PERSONALISED PROGRAMMES FOR PUPILS WHO really STRUGGLE WITH COUNTING, NUMBER AND CALCULATION.

**1<sup>ST</sup>CLASS@NUMBER** TEACHING ASSISTANT-LED PROGRAMMES FOR GROUPS OF 4 PUPILS WHO NEED A HELPING HAND WITH COUNTING, NUMBER AND CALCULATION.

**SUCCESS@ARITHMETIC** TEACHER AND TA-LED PROGRAMMES FOR UP TO 3 PUPILS WHO NEED HELP TO MASTER THE UNDERSTANDING AND PROCEDURES FOR CALCULATIONS.

**TALK 4 NUMBER** TEACHING ASSISTANT-LED PROGRAMME FOR GROUPS OF 4 PUPILS WHO NEED SUPPORT TO LEARN THE VOCABULARY OF NUMBER AND CALCULATION AND TO TALK CONFIDENTLY ABOUT THEIR MATHEMATICS.

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## **1<sup>st</sup>Class@Number** - TA-led

1<sup>st</sup>Class@Number improves children's understanding of number and develops early calculation skills.

### 1<sup>st</sup>Class@Number

- provides targeted use of the Pupil Premium
- supports the new National Curriculum for Mathematics
- raises mathematical attainment
- increases enjoyment and engagement in mathematics
- develops teaching assistants' subject knowledge and wider effectiveness
- provides detailed evidence of progress and impact

Two programmes are available to schools **1<sup>st</sup>Class@Number 1** - for children who need further support at the level of the Year 1 curriculum **1<sup>st</sup>Class@Number 2** - for children who need further support at the level of the Year 2 curriculum

**Sheffield data** 2015 / 2016 – average Number age gain = **14.6 months**

**Cost - £900**

## 1<sup>st</sup>Class@Number 1

Day	Content
Day 1 Tuesday 10 <sup>th</sup> January 2017 9:15am – 12pm	<ul style="list-style-type: none"> <li>• Introduction to 1<sup>st</sup>Class@Number</li> <li>• Delivering the lessons</li> </ul>
Day 2 Wednesday 18 <sup>th</sup> January 2017 1 – 3pm	<ul style="list-style-type: none"> <li>• Counting and Number</li> </ul>
Day 3 Tuesday 31 <sup>st</sup> January 2017 9:15am – 12pm	<ul style="list-style-type: none"> <li>• REDS (Review / Evaluate / Discuss / Share</li> <li>• Exploring Place Value</li> </ul>
Day 4 Tuesday 14 <sup>th</sup> February 2017 9:15am – 12pm	<ul style="list-style-type: none"> <li>• REDS (Review / Evaluate / Discuss / Share</li> <li>• Addition and Subtraction</li> </ul>
Day 5 Wednesday 22 <sup>nd</sup> March 2017 9:15am – 12pm	<ul style="list-style-type: none"> <li>• REDS (Review / Evaluate / Discuss / Share</li> <li>• Multiplication and Division</li> </ul>
Day 6 TBC	<ul style="list-style-type: none"> <li>• REDS</li> <li>• Whole School CPD – Staff meeting on 'Counting'</li> </ul>

## 1<sup>st</sup>Class@Number 2

Day	Content
Day 1 Tuesday 10 <sup>th</sup> January 2017 9:15am – 12pm	<ul style="list-style-type: none"> <li>• Introduction to 1stClass@Number</li> <li>• Delivering the lessons</li> </ul>
Day 2 Thursday 19 <sup>th</sup> January 2017 1 pm – 3:30pm	<ul style="list-style-type: none"> <li>• Counting and Number</li> </ul>
Day 3 Wednesday 1 <sup>st</sup> February 2017 9:15am – 12pm	<ul style="list-style-type: none"> <li>• REDS (Review / Evaluate / Discuss / Share</li> <li>• Exploring Place Value</li> </ul>
Day 4 Wednesday 15 <sup>th</sup> February 2017 9:15am – 12pm	<ul style="list-style-type: none"> <li>• REDS (Review / Evaluate / Discuss / Share</li> <li>• Addition and Subtraction</li> </ul>
Day 5 Thursday 23 <sup>rd</sup> March 2017 9:15am – 12pm	<ul style="list-style-type: none"> <li>• REDS (Review / Evaluate / Discuss / Share</li> <li>• Multiplication and Division</li> </ul>
Day 6 TBC	<ul style="list-style-type: none"> <li>• REDS</li> <li>• Whole School CPD – Staff meeting on 'Place Value'</li> </ul>

## 1<sup>st</sup>Class@Number 1 – Update to the new maths curriculum

This training is for TAs who have previously trained on the 1<sup>st</sup>Class@Number 1 programme.

This training provides the updates on the intervention including a new topic on Multiplication and Division.

The TAs will receive a full, newly updated resource box and online access.

**Cost £425**

Day	Content
Half day Thursday 12 <sup>th</sup> January 2017 9:15 till 12pm	<ul style="list-style-type: none"><li>• To become familiar with the updated resources and teaching materials for 1<sup>st</sup>Class@Number Topics 1 – 4</li><li>• To develop an understanding of the models for multiplication and division</li><li>• To explore the new lessons and activities in Topic 5</li></ul>

## 1<sup>st</sup>Class@Number 2 – Update to the new maths curriculum

This training is for TAs who have previously trained on the 1<sup>st</sup>Class@Number 2 programme.

This training provides the updates on the intervention.

The TAs will receive a full, newly updated resource box and online access.

**Cost £425**

Day	Content
Half day Thursday 19 <sup>th</sup> January 2017 9:15 till 12pm	<ul style="list-style-type: none"><li>• To become familiar with the updated resources and teaching materials for 1<sup>st</sup>Class@Number 2 Topics 1 to 4</li><li>• To become familiar with the updated resources and teaching materials for 1<sup>st</sup>Class@Number 2 Topic 5</li></ul>

## Success@Arithmetic – TA-led

Success@Arithmetic improves pupils' understanding of number and written calculation skills.

### Success@Arithmetic

- provides targeted use of the Pupil Premium
- supports the new National Curriculum for Mathematics
- promotes mathematical thinking and understanding
- develops secure and fluent calculation methods through carefully staged progression
- develops the mathematical subject knowledge of both teachers and teaching assistants
- provides detailed evidence of progress and impact

Two programmes are available to schools **Success@Arithmetic Number Sense** for pupils in Years 3 to 5 who need to understand the number system and develop fluency with number facts, **Success@Arithmetic Calculation** for pupils in Years 5 to 8 who need to understand and develop fluency with formal written methods.

**Sheffield data 2015 / 2016 – average Number age gain = 17 months (Calculation)**

**Sheffield data 2015 / 2016 – average Number age gain = 15.6 months (Number Sense)**

**Cost - £950**

## Success@Arithmetic Number Sense

Day	Content
Day 1 – Half Day Tuesday 17 <sup>th</sup> January 2017 9:15 till 12pm	<ul style="list-style-type: none"><li>• Diagnostic Assessment</li></ul>
Day 2 – Full Day Thursday 9 <sup>th</sup> February 2017 9:15 till 3pm	<ul style="list-style-type: none"><li>• Addition and Subtraction Strands</li></ul>
Day 3 – half Day Thursday 16 <sup>th</sup> March 2017 9:15 till 12pm	<ul style="list-style-type: none"><li>• Multiplication Strand</li></ul>
Day 4 – Half Day Tuesday 28 <sup>th</sup> March 2017 9:15 till 12pm	<ul style="list-style-type: none"><li>• Division Strand</li></ul>

## Success@Arithmetic Calculation

Day	Content
Day 1 – Half Day Tuesday 17 <sup>th</sup> January 2017 9:15 till 12pm	<ul style="list-style-type: none"><li>• Diagnostic Assessment</li></ul>
Day 2 – Full Day Friday 10 <sup>th</sup> February 2017 9:15 till 3pm	<ul style="list-style-type: none"><li>• Addition and Subtraction Strand</li></ul>
Day 3 – Half Day Friday 17 <sup>th</sup> March 2017 9:15 till 12pm	<ul style="list-style-type: none"><li>• Multiplication Strand</li></ul>
Day 4 – Half Day Wednesday 29 <sup>th</sup> March 2017 9:15 till 12pm	<ul style="list-style-type: none"><li>• Division Strand</li></ul>

# Numbers Count transforms mathematics for the lowest achieving children AND raises standards for all children.

It is an intensive intervention for children in Years 1 to 8 who have the greatest difficulties with mathematics. The specially trained teacher supports other staff in school.

## Numbers Count

- provides targeted use of the Pupil Premium
- supports the new National Curriculum for Mathematics
- raises mathematical attainment for the lowest achievers
- creates an 'in-house specialist' mathematics teacher who helps to raise standards for all children
- provides detailed evidence of progress and impact

## Two programmes are available to schools

**Numbers Count** - for children in Years 1 to 3

**Numbers Count 2** - for pupils in Years 4 to 9

## How Does it Work?

A specially trained Numbers Count teacher gives children at least three 30-minute lessons a week for a term, individually or in twos or threes. After a detailed diagnostic assessment, the teacher plans a tailored programme for each child. Rigorous, active lessons focus on number and calculation, helping children to develop skills and attitudes that will

## Impact on Achievement

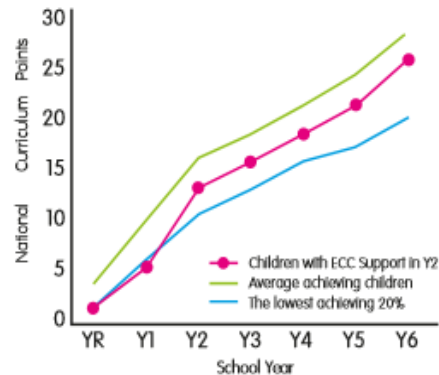
Over 50,000 children in Years 1 to 11 have been supported by Numbers Count in 2,500 schools.

- They made an average **Number Age gain of 16.5 months** in only 4 months - over 4 times the expected progress.
- **95% of them showed more confidence and interest** in learning mathematics in class after Numbers Count.
- 73% of pupils went on to achieve national expectations at the end of Key Stages 1 and 2, despite not being originally predicted to do so.

“ Our Numbers Count teacher has shared her expertise with colleagues and had a positive effect on a large number of children across the school, well beyond those in the intervention.

Julia Hawkins, Head Teacher, Queen's Crescent School, Wiltshire

## Long-Lasting Impact



“ Where programmes such as Every Child Counts and Numbers Count were used effectively, pupils overcame their misconceptions and the school used information about its

## Training and Professional Development

- 7 days of local training by an accredited ECC Trainer
- Mathematical subject and pedagogical knowledge
- Supporting parents and colleagues across the school
- 2 school visits by the Trainer
- ECC accreditation for teacher and school
- Ongoing CPD and school visits every year
- Opportunities for further accredited academic study

## Resources and Support

- Detailed handbook guidance
- Online guidance and downloadable resources
- Access to the ECC data system, providing detailed analyses of impact and children's progress
- Phone and e-mail support from ECC and the Trainer

Schools can access **Numbers Count** from local ECC providers. Contact us to be put in touch with your nearest provider.

If you would like to participate in either of the Numbers Count programmes then please contact me for further details ...

All training is at;  
Shortbrook Primary School (ECC training School)  
Westfield Northway  
Westfield  
Sheffield  
S20 8FB

Count me in!

Please contact me if you have any questions regarding any of the interventions or would like to book a place on any of the programmes.

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**Every Child Counts Lead Trainer for Sheffield**

**Primary Maths Consultant**