



45,000

primary school pupils

20,000

secondary school pupils

ENGAGED

Count on Us is a Mayor's Fund for London programme for primary and secondary schools. The Challenge is an exciting pan-London maths tournament that improves confidence and attitude by engaging young people in a range of maths activities designed to challenge, motivate and inspire, while developing curriculum based maths skills.

This unique programme, which has a focus on team work and collaboration, has been run in classrooms and clubs across London's schools since 2013. The activities are developed in partnership with The Maths Zone, an education consultancy, and are in line with the new National Curriculum.



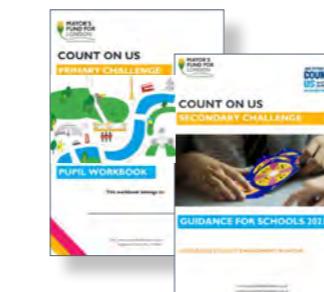
Good numeracy is an effective protective factor against unemployment, low wages and wider societal problems, including poor health.

It is feared that the pandemic has pushed young people into a dark age of declining social mobility due to rising economic and educational inequalities. This 'Covid generation' faces significant learning losses as a result of prolonged school closures and must quickly fight against time to catch up, particularly in core subjects like maths.

MAKING A **POSITIVE DIFFERENCE**

The **Count on Us** programme starts with training for teachers, who then take the programme back to their schools, sharing activities with colleagues and setting up in-class and clubs opportunities to engage with the resources. The maths activities combine a series of mental arithmetic and problem-solving tasks, to challenge, motivate and inspire our mathematicians. The activities **boost academic attainment** and ultimately improve life chances, helping young people make a positive contribution to society.

We work with primary and secondary schools that have a high percentage of pupils on Free School Meals across all 33 London boroughs.



Participating schools are supported with a Teacher Guide, Pupil Workbooks and a wide range of programme resources on the

Count on Us website to improve pupil confidence, not only in maths but as learners.

Over several months, young people hone their skills at in-school or inter-school tournaments. Teams are then chosen to represent their school in our tournament Heats, with the highest scoring teams making it through to a **Final at a prestigious London location**.



When the coronavirus pandemic forced schools to close, we swiftly moved the programme online with a specially adapted pack of **virtual resources**. Throughout this time, we adapted our in-person events with the focus on highly motivating, collaborative maths activities remaining central to the programme. Online training for teachers and an exciting new online version of the Heats has been created, with schools competing against each other, as would have happened in the in-person events.

COUNT ON US PRIMARY CHALLENGE



COUNT ON US Primary Maths Challenge

Currently in its 8th year, this programme is targeted at Years 4 and 5 pupils.

The Primary Challenge engages at least 30 pupils in each school with a range of maths activities. After holding in-school tournaments, a team of 3 pupils is then selected to represent each school at Count on Us events. The programme supports a change in attitude towards maths and increases self-belief and resilience by motivating pupils to improve their numeracy, problem solving and team working skills.

Activities include:

- **Shape:** a team activity using tangrams and pentominoes to solve challenging problems
- **Mental arithmetic:** a frantically fast numeracy round using the 24® Game with single and double digits
- **Code breaking:** a team problem solving activity, where the clues are hidden in enciphered messages. This round has a strong finance-based theme using London locations.



of primary teachers noticed an impact on their pupils' confidence levels

COUNT ON US SECONDARY CHALLENGE



The programme is really engaging and has helped students improve their problem-solving skills and teamwork. Students have enjoyed the experience and stretched themselves in mathematics outside of the classroom.”

ACTON HIGH SCHOOL, EALING

“Count on Us is fantastic. We are amazed at how thoroughly it has been organised, especially with the tournament running remotely this year. The children have absolutely loved the activities provided. The impact on both their wellbeing and maths skills has been immeasurable – thank you.”

HARRIS PRIMARY ACADEMY BECKENHAM GREEN, BROMLEY

$$\begin{aligned} E(x) &= \sum_{x=1}^B n e^2 - p(x^2 - p) \\ \sin(\alpha) &\quad l \quad \frac{dx}{\cos^2 x} \quad \text{♂} \quad \text{↔} \\ \sin^2 = 3\pi & \quad \int \quad A^2 x q_1^2 + b^2 \\ x = 2 m^2 & \end{aligned}$$



Currently in its 7th year, this programme targets Years 7, 8 and 9 students and is supported by the Jack Petchey Foundation.

The Jack Petchey Foundation Secondary Challenge engages at least 60 students in each school. After holding an in or inter-school tournament, a team of 5 is then selected to represent the school in Count on Us events. The programme ensures a focus on three key areas of fluency in mathematics: geometry, number and algebra.

Activities include:

- **The Game of Hex:** a strategy game which requires strong teamworking skills
- **GridLines Geometry:** a card game involving mathematical problem solving
- **Mental arithmetic:** a frantically fast numeracy round using 24® Game using single and double digits, fractions and decimals
- **Algebra & Coding:** an exciting story-based problem solving challenge where clues are hidden in enciphered messages. This round requires collaborative working and good communication skills.



of secondary teachers report and improved attitude towards maths

JACK PETCHY FOUNDATION
**COUNT ON
US** Secondary Maths
Challenge
WITH MAYOR'S FUND FOR LONDON



HELP US DO MORE

Our mission is to combat the narrative that it is socially acceptable to be bad at maths. We will continue to provide vital skills education support for young Londoners to ensure they can get back on track after Covid-19 and fulfil their potential in whatever they choose to do after school.

We are currently looking for organisations or individuals who can support the Count on Us Challenge and help us to grow the programme so that even more young Londoners can benefit.

GET IN TOUCH

To find out more about Count on Us and how you can get involved, please contact Louise Richmond on richmond@mayorsfundforlondon.org.uk



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