



ABOUT US

The Math Pit is an innovative organisation set to disrupt Mathematics education. Borne out of the frustration with pupils believing that they 'can't do mathematics' and giving up at the onset of a challenge, The Math Pit aims to develop pupils' mathematical resilience and problem solving skills.

WHAT WE DO

We are an innovative organisation disrupting mathematics education

Changing attitudes: By addressing the issue of negative mindsets and low confidence, we inspire students to develop a growth mentality, embrace challenge and aspire to achieve more within mathematics

Up-skilling students: Our approach develops all students holistically and prepares them for more advanced mathematical study and employment within an increasingly modern world.

Raising attainment: We equip students with a deeper understanding of the mathematics curriculum and beyond through engagement with high level and contextualised mathematics.

HOW WE DO IT:

1. **Uniquely designed classroom activity-** The Math Pit is a collaborative real world mathematical challenge which requires pupils to dig themselves out of a learning pit autonomously. Pupils are put in a challenging, unfamiliar situation in which they must strategise to solve a real world mathematical problem - thus getting themselves out of 'the pit'. Pupils are assigned personal roles: facilitator, recorder, verifier and resource manager.
2. **Inter School Competitions-** Schools select students to attend and compete in The Math Pit Challenge days, held in universities, and The Math Pit Grand Finale.
3. **Bespoke Mentoring-** Winners receive bespoke mentoring by industry professionals and become Math Pit Ambassadors leading enrichment activities and peer tutoring in their own school and locality.

THE STORY SO FAR

The organisation was founded by Seliat Agboola as part of an action research project that Seliat initiated during her time on the Teach First Leadership Development programme. Seliat has been refining the programme with a target group of students at her school for the last academic year. Through an iteration process she has been able to identify what works and what doesn't work. She has tracked the change of attitudes, behaviour, attainment and has seen first-hand the impact that a programme like this could have and produced a preliminary report.

To broaden impact Seliat applied for awards to initiate a full-scale pilot programme where the initiative is implemented in English schools and impact is rigorously evaluated. The Math Pit has since won awards from Shine Trust UK and UnLtd School for Social Entrepreneurs.

NEXT STEPS

We are currently recruiting Lead Teachers to take part in the action research project and to champion the programme in their schools. This will be in the form of an inter-school lesson study to further refine the initiative. These schools will be in London and the West Midlands.

LEAD TEACHER ROLE DESCRIPTION AND EXPECTATIONS

You will be part of an action research project that takes place both in and out of your classroom. This action research project will be in the form of a lesson study.

Overview of the Project- Key Responsibilities

Year Long Commitment

- Launch Meeting and training
- Half-termly skype sessions and termly action research meetings
- Plan, deliver and evaluate a selection of 'Math Pit Lessons'
- Coaching conversations with university lead/ subject lead resource manager
- Attendance at interschool competition
- 2 page report at the end

Who is it for?

- Qualified secondary mathematics teachers with QTS
- Mathematics teachers who are committed to and passionate about addressing the issue of pupils' negative fixed mindsets and lack of confidence.
- Teachers seeking career development who are willing to co-create, use their own initiative be instrumental in developing the project
- Teachers who have demonstrated an ability to share best practice and have an intimate understanding of mathematics subject pedagogy
- Teachers who have demonstrated an ability to innovate and try out creative ideas in their classroom whilst evaluating their impact
- Teachers who are abreast the current research in mathematics education
- Teachers who can take on a large commitment and are organised

What will you get out of it?

- Opportunity to instigate change within your educational setting
- Gain insights from other teachers and schools
- Continuing Professional Development- Deepen your understanding of mathematics pedagogy
- Be part of a new and exciting movement
- Stipend depending on satisfactory engagement with and completion of the programme

APPLY

If this sounds like an opportunity that you are interested in, please apply using the application form found here: www.themathpit.org/get-involved

Deadlines:

Applications will be reviewed on a rolling basis- early applications are encouraged. Shortlisted candidates will be invited to have an informal telephone interview