

## Research and Innovation Work Group (EY - KS5)

Come and join a Work Group that will look at ways of improving outcomes for girls in maths and STEM. Try out new ideas in your classroom and share with colleagues.

### Who can take part?

Classroom teachers and mathematics leaders

### What are the time commitments?

- Three online twilights & one full day
- Plan change, try something new and reflect
- Reflect on practice and share with colleagues.

### What does it involve?

This is a 'research and innovation' work group enabling participants to develop an aspect of Teaching for Mastery in their own schools. We will work together to explore approaches that improve outcomes for girls in maths and STEM.

### Central workshops will focus on:

- Developing knowledge of issues that impact on girls self-belief;
- Considering how to develop skills needed for both current and later mathematics;
- Exploring three key areas: collaborative problem solving, oracy and spatial awareness
- Collaboratively planning lessons.

### School-based work:

- Teach a series of lessons aimed at improving outcomes for girls;
- Reading - short pieces related to project;
- Brief pupil case studies (three per participant/school);
- Teach a series of lessons incorporating chosen focus;
- Prepare brief presentations to share with colleagues and celebrate progress.

### Participants and their schools will:

- Improve understanding of issues that impact on girls' attitudes to mathematics
- Engage in research evidence including the findings of colleagues
- Collaborate with others to explore the issues impacting girls
- Increase all pupil engagement in mathematics lessons
- Have opportunity to contribute to evidence that can be used more widely to support the understanding of issues that impact on girls' learning.

### What are the costs & expectations?

The Work Group is fully funded by the Maths Hubs Programme and so is provided free to participating schools. Schools must be able to commit to the full academic year's programme, with schools releasing the same nominated teachers(s) to attend ALL workshops, as well as school-based activity.

**To book your place on this Work Group, sign up below**

For more information email: [hello@nnwmathshub.org.uk](mailto:hello@nnwmathshub.org.uk)



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