

Challenging Topics at GCSE

Maths Hubs Network
Collaborative Projects 2020/21
NCP 20-18



DATES

Session	Date	Location
1	09 February 2021	online
2	02 March 2021	online
3	16 March 2021	online
4	29 March 2021	tbc
5	27 April 2021	tbc
6	04 May 2021	tbc

Session timings are

Sessions 1, 2, 3, 4
13.30 – 16.00

Session 5
14.00 – 16.30

Session 6
14.00 – 16.00

HOW TO APPLY

Please complete the [online booking form](#) to secure a place or contact admin@londonsouthwestmathshub.co.uk

Information for our Work Groups and events in 2020-21 can be found on our website www.londonsouthwestmathshub.co.uk

OVERVIEW

This work group is all about unpicking topics at GCSE, and tracking back through to KS3 to tackle misconceptions and difficulties, whilst also considering the implications for longer term curriculum design.

For example, in the June 2019 Higher Edexcel paper, the average score was 54%, but the average for the topic of algebra was only 45% (although it accounted for 28.3% of the marks), and some algebraic topics had an average score of just 21%. Teaching these topics effectively is key to improving results at both GCSE and A-level.

Who can apply?

Open to schools in Kingston, Merton, Richmond, Sutton and Wandsworth.

Participants should be secondary school teachers of GCSE Maths. Ideally, two teachers will attend from each participating school. Teachers who have previously participated in Work Groups in this project are welcome to take part again in 2020/21. **Between workshops participants will be expected to undertake school-based tasks with collaboration from their department.**

BENEFITS

Participants and their schools will

- ✓ develop a deeper insight into the maths that underpins learning in a challenging topic, through unpicking and analysing the topic
- ✓ develop a deeper insight into the key issues and misconceptions behind the topic
- ✓ identify misconceptions and plan a series of lessons to support students in the topic area
- ✓ use and evaluate appropriate pedagogies to teach the topic area
- ✓ work with their departments to unpick and analyse topics to inform collaborative planning and development of schemes of work

Covid Recovery

Maths Hubs activity will be flexible and adapt to changing realities. All workshop sessions are online, until at least March 2021, with online collaboration opportunities in between sessions.



What is the cost?



The Challenging Topics at GCSE project is **fully funded** by the Maths Hubs Programme so is **free** to participating schools.