Fully funded

# Mathematical Thinking for GCSE

## Work Groups

**Discover ways to help GCSE students improve their mathematical thinking**

## What is involved?

Exam boards often note that, when students come to GCSE examinations, AO2 and AO3 are frequently poorly addressed. This Work Group is designed to meet teachers' needs in that it provides practical and theoretical elements to support the development of students' mathematical thinking, whilst offering a manageable structure for collaborative CPD.

The Work Group is structured around four meetings, with school-based tasks to complete and reflect upon between each meeting. Day 1 is a full day (or equivalent), with Days 2, 3 and 4 being around 0.5 days of input.

## Who can take part?

This is for teachers of KS4 who want to further understand mathematical thinking, and devise related practical classroom strategies. Participants will be expected to lead developments in their own department and so should have the opportunity and authority to do this effectively. The project also offers an entry point into developing mastery approaches, or could support a department already involved in the Teaching for Mastery Programme.

## Find out more

Search **mathematical thinking for GCSE** online or contact your local Maths Hub:

Visit our website or contact us at admin@lcwmathshub.co.uk

## Benefits

- Your students will develop a range of strategies to allow them to get started on, and to think their way through, unfamiliar mathematical problems
- You will develop your understanding of the role of reasoning and problem-solving in the curriculum
- You will develop an effective repertoire of task types that give opportunities for mathematical thinking
- You will be equipped to develop strategies and approaches to support mathematical thinking within your department

The **Work Groups** are fully funded by the Maths Hubs Programme, so are **free** to participating schools.

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