



## Secondary

### Mathematical Thinking for GCSE

This work group offers teachers and their departments nationally coordinated support to address the reasoning and problem-solving challenges of the mathematics curriculum and its assessment in the new GCSE.

#### Participants will

- Increase experience and understanding of the role of reasoning and problem solving in the new curriculum and the teaching and learning needed to support pupils.
- Increase understanding of how these skills are tested in the new GCSE and which teaching and learning approaches can support current KS4 pupils.
- Broaden their repertoire of approaches and resources that develop pupils' mathematical reasoning and problem solving.
- Improve confidence in planning and delivering lessons and reflecting on teaching and learning approaches that support greater reasoning and problem solving in all lessons.

#### Audience:

All secondary schools wishing to begin or continue a programme of professional development to address the teaching & learning implications of the new curriculum and GCSE. Ideally, two members of department, at least one of which is experienced and has some leadership responsibility. Participants must attend all 4 sessions.

**Day 1: Tuesday 13th November 2018 (12.00 – 15:00)**

**Day 2: Tuesday 22nd January 2019 (12:30 – 14:30)**

**Day 3: Tuesday 19th March 2019 (12.30 – 14.30)**

**Day 4: Tuesday 18th June 2019 (12.00 – 15.00)**

Gap tasks between the workshops will include lesson study, allowing wider department participation in the professional development.

**Location:** Raynes Park High School, Bushey Road, London, SW20 0JL

**Work Group Lead:** Claire Henderson

**£500 funding available per participating school**  
(must attend all 4 sessions)

Contact Hub Administrator Lesley Dibbens  
[admin@london southwestmathshub.co.uk](mailto:admin@london southwestmathshub.co.uk)  
to express an interest in participating  
in this Work Group