

YEARS 7-11 COHERENCE

A project designed to explore approaches to key topics

This project focuses on participant teachers working together to analyse, deconstruct and trace through the curriculum a selected key topic area, developing insight into effective teaching approaches, and considering the implications for longer term curriculum design.

The project was previously known as Challenging Topics at GCSE, but its name has been amended to more accurately reflect the work undertaken as well as to convey the importance of curriculum coherence.

Who can take part?

Participants should be secondary school teachers of GCSE Maths. Individuals or ideally pairs of teachers from a department participate, with an expectation that they will work with other members of their department at appropriate points.

Schools that have participated in previous years may do so again, as developments often take place over time.

What is involved?

Local Work Group design will follow a workshop – school-based work cycle, consisting of several workshops followed in each case by specific school-based work. Workshops will provide opportunities for teachers to identify and analyse a key topic area, to work collaboratively to develop pedagogical approaches to it, and to evaluate and discuss after teaching.

- 6 sessions (one each half term) – 2 hours
- Collaboration through the online Basecamp community
- Try out aspects of the Work Group back in school and record your reflections
- Contribute to the Maths Hub and NCETM final evaluation

What will you learn?

Participants and their departments 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.

What is the cost?

The Years 7-11 Coherence project is **fully funded** by the Maths Hubs Programme so is **free** to participating schools.

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