

Maths Hub Work Group

Years 7-11 Curriculum Coherence

A project designed to explore approaches to key topics, developing insight into effective teaching approaches, and considering the implications for longer term curriculum design.

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.

Key concepts – what's covered?

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.

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

Funding and Dates

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

All sessions will take place at Tanners Brook, Elmes Drive, Southampton, SO15 4PF.

Thursday 31st January 9:00 – 3:00

Thursday 28th March 9:00 – 3:00

Thursday 23rd May 9:00 – 3:00

Booking information

Information and application for programme can be found on the Solent Hub website:

www.solentmathshub.org.uk

Alternatively, please contact info@solentmathshub.org.uk for further information or booking.

What does the programme provide?

Across the academic year:

- ❖ There will be three days (or the equivalent) of Work Group meetings across the academic year, 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.

Expectations of Participating Schools

Participants and their schools must be able to commit to the full academic year's programme. This is likely to involve some face-to-face activity alongside online collaboration. During the programme, participants will be asked to undertake tasks with learners to deepen their thinking about the learning of maths, and to share this with colleagues. It is asked that school leaders support their staff to complete this work.