

# Mathematical Thinking for GCSE

The Maths Hubs network across England works on projects around national maths education priority areas. One of the Maths Hubs' priorities is to provide high quality training to improve children's understanding, with a particular focus on practitioners' subject knowledge. Each participating Maths Hub runs a local Work Group, where teachers come together over a period of time to work on areas defined by the project. Read on to find out more about your local work group.

## Overview

Through the workgroup, we aim to improve teachers' confidence in planning and delivering lessons based upon reasoning. Through this, we should develop pupils' skills in reasoning and problem solving, and increase their confidence with the New GCSE exams.

The workgroup will work collaboratively to embed reasoning and problem solving into the participants' lessons throughout the curriculum and to lead professional development sessions within departments to help this to be embedded consistently across all lessons.

## Who is this for?

Any teachers that want to give students more confidence with some of the styles of questions on the New GCSE Exams.

## What is involved?

**Session 1:** Introduction to reasoning and the aims of the workgroup.

**Session 2:** Review of gap task 1 and introduction to AO1/2/3 questions.

**Session 3:** Review of gap task 2 and introduce a second method for encouraging reasoning.

**Session 4:** Review of gap task 3 and final evaluations.

For more  
information  
contact us by  
Friday 9th  
November

## Venue

The Maltings College, Maltings Road, Halifax HX2 0TJ.

## Dates

27 November 2018 – Full day

16 January 2019 – Afternoon session

26 March 2019 – Afternoon session

19 June 2019 – Full day

## Prerequisites

We are looking for teachers who want to embed more mathematical reasoning into their lessons, and across their department.

## What next?

Interested in taking part in this project? For further information please email West Yorkshire Maths Hub at [wymathshub@trinitytsa.co.uk](mailto:wymathshub@trinitytsa.co.uk) by **Friday 9th November**.