



**Next Meeting:**

**Wednesday  
15<sup>th</sup> March 2017**

2:00pm – 5:00pm  
University of  
Wolverhampton  
Walsall Campus  
WS1 3BD

**For more information  
contact:**

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To confirm attendance please  
complete this form:

<https://goo.gl/forms/tt6MYT5CEd10XUS73>

A buffet lunch will be available  
from 1:30pm onwards

# West Midlands Mathematics Teacher Network

## Problem Solving at KS4 Presented by Carol Knights

**At this meeting:**

Carol Knights (NCETM's Director of Secondary) will lead a session looking Problem Solving at KS4.

**Carol Knights**

Carol Knights is the KS4 Extension and Enrichment Coordinator for MEI and is responsible for the FMSP's KS4 one and two day courses. She has also recently been appointed as the NCETM's Director for Secondary and is looking forward to the challenges and opportunities that will bring.

Carol has deeply-rooted beliefs about teaching and learning, particularly the importance of identifying learners' starting points, asking key questions, developing genuine understanding and making connections. She sees problem solving and intrigue at the heart of mathematics teaching and is keen to find small changes to teaching practices, resources and lessons that result in students being challenged to think more, or to question their own understanding.

**Problem solving: Suitable for KS2, KS3 and KS4**

During the session we will explore a variety of problems, think about the different types of problem that can be posed, consider ways of supporting students in developing their skills and how to incorporate problems into lessons rather than having them as a separate entity. Problems will range from those designed to be used in the classroom to those designed to challenge teachers – with an element of choice so that no-one feels 'out of their depth'.

The West Midlands Mathematics Teacher Network is an FMSP-funded project allowing teachers of maths to meet, to collaborate and to share professional development. We meet termly and the programme is a mixture of informal sessions and speaker-led training events.