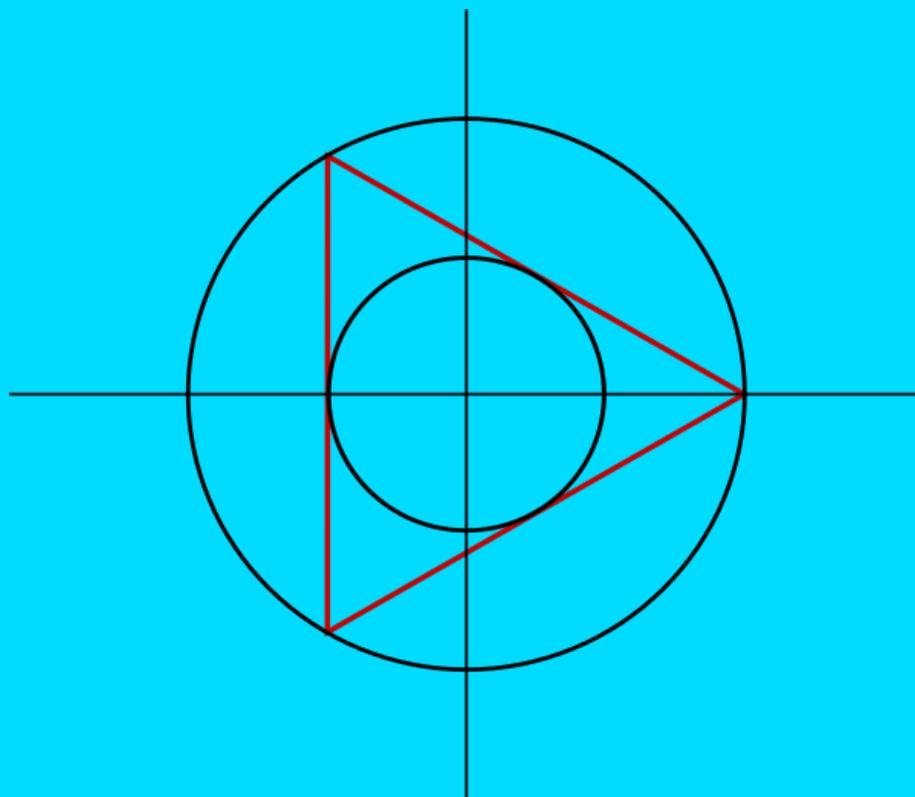


Lancaster
University



Picture ©Underground Mathematics

Problem solving within GCSE Mathematics

A one-day course for teachers organised by the
Further Mathematics Support Programme

Course leader: Phil Chaffé

Tuesday 7 March 2017
(postponed from 26 January)
10:00am to 4:00pm
Training Room
CETAD Building
Lancaster University



Let maths take you further

Aims of the course

Since 2010, assessment objectives specifically designed to test problem solving skills have been included in GCSE Mathematics. This one-day course, which was greatly acclaimed when it was taught at Lancaster in 2013, 2014 and 2015, is back by popular demand. The course will:

- provide teachers with strategies to address the problem solving assessment objectives at GCSE;
- encourage the use of problem solving activities in KS4 Mathematics classrooms;
- introduce and assess a range of problem solving materials designed for KS4 students; and
- provide teachers with some strategies to help students make the transition from GCSE to AS Level Mathematics.



Course programme

Course attendees should head for the CETAD Building, which is marked as number 13 on campus maps. The venue is the Training Room on the ground floor. Attendees may park in any visitors' car park – they'll be sent a parking permit in advance of the day.

10:00 to 10:30	<i>Registration and coffee</i>
10:30 to 11:00	Introduction and initial problem
11:00 to 11:30	What is problem solving and why is it important?
11:30 to 12:30	Twenty mathematical problems suitable for GCSE students
12:30 to 13:30	<i>Lunch</i>
13:30 to 14:30	Other sources for mathematical problems
14:30 to 14:45	<i>Afternoon tea</i>
14:45 to 16:00	Smoothing the transition to AS Level Mathematics

About the course leader

Phil Chaffé is a Central Co-ordinator for the Further Mathematics Support Programme (FMSP). Phil has worked in a number of schools producing resources for mathematics teaching at all levels.

Booking your place

The course costs £60 per person including lunch and free parking at the venue. Places are limited. To reserve your place, go to the Lancaster University Mathematics & Statistics short course booking page at:

<http://www.lancaster.ac.uk/maths/business/short-courses/list-of-courses/>

The last date for bookings is 28 February 2017. For more information contact Dr James Groves on jamesgroves@furthermaths.org.uk or 01524 592378.