

To book a Maths Activity Day or for more information please either:

call: **07564 721 035**

email: **angela.gould@bmam.co.uk**

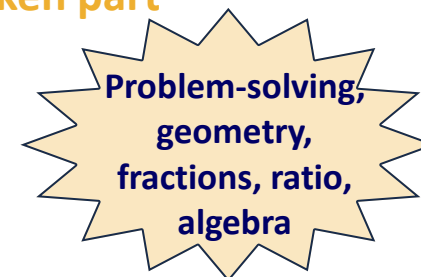
visit: **www.bmam.co.uk**

complete your details below and return to:

**Angela Gould, BMAM Ltd,**

**Optionis House, 840 Ibis Court, Centre Park, Warrington WA1 1RL**

**Over 30,000 pupils have taken part in Maths Activity Days**



# Maths

# Activity Days

- If emailing, please provide all your contact details and please give any preferred dates or days of the week for activity day(s).
- The cost of a Maths Activity Day varies, usually £350 - £495 per day depending on location, which includes all materials, prizes, certificates, a copy of the materials for the school and all travel and accommodation costs.

## Please give your details below

Please send me more information  I'd like to book at Maths Activity Day

- for which year groups? \_\_\_\_\_

- preferred date(s)/days of week \_\_\_\_\_

Title \_\_\_\_\_ First name \_\_\_\_\_ Surname \_\_\_\_\_

School: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Email: \_\_\_\_\_

Tel: \_\_\_\_\_



**Data protection:** The personal information shown on this form, and/or provided by you, will be held on a database. If you would like us to change any details or remove your name from our database, please email [data.bmam@gmail.com](mailto:data.bmam@gmail.com), or write to the database manager at the above address.

All bookings are subject to our full terms and conditions, which can be viewed at [www.bmam.co.uk](http://www.bmam.co.uk).

Registered as a Limited Company in England and Wales, company number 8503455

Registered Office: BMAM Limited, Optionis House, 840 Ibis Court, Centre Park, Warrington WA1 1RL

- a day full of motivating team maths activities run in school

1. Introducing 'tried-and-tested' maths enrichment materials to fully engage your pupils at KS3 and KS4, with materials to support the new GCSE curriculum
2. Using creative approaches to extend and challenge your pupils' mathematical thinking
3. Developing and achieving potential: over  $\frac{3}{4}$  of pupils said maths day sessions helped with school work
4. Agenda tailored to your teaching and learning priorities
5. **Can include Maths Teacher CPD session**

**Pupil comments:**  
'It was epic'  
'It was exciting and interesting and I learnt loads'  
'The activities were really good, thank you'  
'The day was excellent and I would come again any day'



**Building Motivation and Attainment in Mathematics**

**To make a booking, or for further information, please call Angela Gould on 07564 721 035 or email [angela.gould@bmam.co.uk](mailto:angela.gould@bmam.co.uk)**



# Building problem-solving and thinking skills through enriching and challenging mathematics activities



## Enriching resources to challenge and engage your pupils

### GCSE and KS3: Geometry, trigonometry and proof

We investigate the properties of shapes folded from A4 paper - hexagon, pentagon, kite, parallelogram, focusing on angles, symmetry and the properties of solids. We extend this to area and perimeter. We then fold equilateral triangles and pyramids from A4 paper, and from this can progress in several directions, according to ability:

1. Use the pyramids to work on fractions, decimals and percentages, ratios and surds.
2. Prove the triangle is equilateral
3. Calculate the area of the triangle
4. Work out the perpendicular height and volume of a pyramid

### Fractions activities

Teams start by playing a variety of fractions card games, aimed at improving understanding of fractions and polishing mental arithmetic skills. This is followed by a series of fractions activities designed to reinforce learning.

### Challenging speedy starters!

Teams work together to solve practical puzzles; short and sharp, setting the theme for the day.

### Focus on problem-solving

Card games and maths challenges that improve mental maths skills - teams compete against each other, solving clues to find the correct answer. The resources are designed to test thinking and problem-solving skills for pupils of all abilities.

### Algebra

A series of activities designed to improve algebra skills, starting with basic expressions and progressing into applications in problem-solving.

### Ratio and proportion

A series of activities designed for GCSE students, aiming to reinforce and strengthen their understanding of ratio and proportion. Pupils will work in pairs to complete materials and then use this understanding to try new-style GCSE-type questions.

## What do teachers say about Maths Activity Days?

**'Overall a really well-designed Activity Day'  
'Really, really good, some excellent tips'**

**'We had a fabulous workshop yesterday: very inspiring and enjoyable'**

A Maths Activity Day is a programme of two half-days of activities for two groups of about 60 students, of any ability range, during which the timetable is suspended and your pupils do maths in teams of four.

Maths Activity Days are designed to raise **enthusiasm, motivation and attainment**; students take part in a series of practical and enriching challenges, either on a theme, eg problem-solving, fractions, geometry, or aimed at improving GCSE performance. Pupils polish their maths skills, engage with the activities and there are prizes for the best-performing teams.

There are lots of ways you can run these events - for groups of your pupils, or invite neighbouring schools or feeder primaries to bring teams to take part; all staff and visiting teachers receive a copy of the materials to use in their own classroom.

If you would like to receive student feedback reports from previous events, please call 07564 721 035 or email [angela.gould@bmam.co.uk](mailto:angela.gould@bmam.co.uk)

All bookings can include a Maths Teacher CPD session - please call 07564 721 035 for more details.

## Maths Day set-up

**Agenda:** materials are available for pupils of all abilities in KS3 and KS4. Students work in teams and sessions are tailored to your pupils' abilities, as the approaches support and extend the capabilities of all, *even reluctant learners*.

**Timings:** Timings are flexible, based around your timetable, and usually we

have two half-day sessions, with up to 60 pupils per group.

**Location:** A large flat room, with pupils seated in groups of four around a table.

**Staffing:** As many Maths teachers should attend as possible, to try out the activities. At least two members of staff supervise the event.

**Angela Gould** is director of BMAM Ltd, which runs maths teacher and PGCE training events and Maths Activity Days in schools across the country. She is also a member of the Mathematics Department of King's College London. Prior to this she was Executive Director of the UK Mathematics Trust, which runs the Maths Challenges.

**Book now! call Angela Gould on 07564 721 035 or email [angela.gould@bmam.co.uk](mailto:angela.gould@bmam.co.uk)**