# Year 6 Maths Poster Competition

Mathematics can be creative, beautiful, surprising and interesting. Exeter Maths School (EMS) is challenging your year 6 students to take part in our annual Mathematics Poster Competition.

The Mathematics Poster Competition is intended to stimulate and motivate students and offers young mathematicians the opportunity to share their love of the subject in an interesting and engaging manner. By taking part, students will develop their ability to communicate and explain mathematics whilst expressing their creativity and developing their mathematical understanding.

The theme for this year's competition is: **Magic Squares**

Further details with specific requirements can be found overleaf

The competition is open to students in Year 6. Students may enter as individuals or as part of a small team (maximum of 4 students per team). Schools may enter as many teams as they like. The winner of the Mathematics Poster Competition will receive a mathematical prize.

To take part, please send in completed posters, along with the attached entrance form (one per poster) by **Friday, 20th June.** Schools will be notified of the result before the end of the summer term.

Completed posters and accompanying entrance forms (one per poster) should be sent for the attention of: Poster Competition, Exeter Maths School, Rougemont House, Castle Street, EXETER EX4 3PU**.** Alternatively, if you are able to send good quality images, these can be emailed to events@exeterms.ac.uk along with the entrance form.

We hope that you will encourage your students to take part – we are certainly looking forward to seeing their work!

If you have any questions concerning the Poster Competition, please contact the Outreach Team via: events@exeterms.ac.uk

**Year 6 Maths Poster Competition**
# Magic Squares

## Task
Produce an A3 poster with the title 'Magic Squares'

## Your Poster Should Include
- Your answer to the questions given below
- The results of your research
- Some ideas of your own

## Your Poster Will Be Given Marks For
- Mathematical content
- Creativity
- Overall presentation

Please send in completed posters, along with the attached entrance form (one per poster) by Wednesday, 22nd June.

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This is a Magic Square:

| 2 | 7 | 6 |
|---|---|---|
| 9 | 5 | 1 |
| 4 | 3 | 8 |

**Explain what is special about this square.**

Investigate Magic Squares:
- What makes them 'magic'?
- Can you explain how to create them?
- Srinivasa Ramanujan created a special Magic Square – find out about this.
- Can you find another particularly interesting example of Magic Squares?