


Use numbers 1 - 9 to complete this magic square such that, each row, column and both diagonals add to the same total.



KINGSDALE FOUNDATION SCHOOL

Mathematics Scholarship Program 2021/2022

Faculty Of Mathematics

Director of Mathematics:

Mr M Alhmali

Head Of Mathematics:

Mr N. Dobson

Lead Practitioner

Mr A. Velji

Scholarship Coordinator:

Mr E. Otieno



Frankfurt
Germany



Florence
Italy

WHAT IS PLANNED FOR THIS YEAR 2021-2022
Including all the activities that Scholars will be involved in this academic year, we are planning three international trips:

1. **Germany: Frankfurt** for Year 7 (March 2022)
2. **Germany: Cologne** for Year 8 to 10 (July 2022)

We intend to run 2/3 different International trips to cater for the needs of our Gifted students.

Also included in this year's programme, will be a tour of the **City of London**. The tour will be based on visiting London's iconic landmarks and finding the mathematics in our city..



KINGSDALE MATHEMATICS SCHOLARSHIP PROGRAMME 2021/2022

- Do you have a high **aptitude** for numbers?
- Would you consider taking mathematics at “A Level” or Degree in Mathematics or Engineering at University?

If the answer is **Yes** for both, then this scholarship might be just what you need. Kingsdale’s Mathematics Department are offering a Scholarship programme to students who can demonstrate a higher aptitude and enthusiasm for Mathematics.

What we offer:

A Mathematics Scholar will receive the following provision:

- **Extra tuition:** Students will have an extra hour a week throughout the academic year. They will be challenged with higher mathematical concepts. Part of the sessions will be looking at Games Theory. They will consider the mathematics behind each type of game and their strategies for winning.
- **Competitions:** All scholars will be entered to take part in the UK Mathematics Challenges. This is a competition conducted by University of Leeds on the behalf of the UK Mathematics Trust. This is a challenge completed by the best young mathematicians across the country. Students will participate in an hour’s aptitude test of which the top 10% will participate in another more challenging test; Olympiad. Students have the opportunity to measure themselves with the best mathematicians of their age in the UK.
- **Mensa IQ test:** Pupils from Years 7—13 will be entered to do the Mensa IQ test in the summer term. This is a prestigious organisation whose results are acknowledged internationally.

- **Mathematics Master Classes:** This will be an out of school session where the scholars will be taught by Uni-versity tutors. Students have the opportunity to engage with application of mathematics in the real world. We will have session with a top Russell University 2 or 3 times in the Year.
- **National Academy of Gifted and Talented Youth (NAGTY):** Scholars will be encouraged and supported to make applications to join this prestigious organisation.
- **Residential Trips:** This is an opportunity for Scholars to spend 4—5 days at a top university attending specially designed classes and getting an introduction to studying Mathematics at University Level.
- **Southwark Mathematics Challenges:** This is a competition organised by different schools within Southwark schools, including Kingsdale. Students participate in puzzles, modelling, maths questions, mind bending games e.t.c. This is an end of year fun filled afternoon with winners receiving medals and trophies.
- **Early Entry:** Scholars will have opportunity to be in the higher sets and to be entered for GCSE exams at the end of Year 10 **if and ONLY if** they have met the mini-mum target Grade 9 by Autumn term in Year 10. A fast track learning programme to prepare scholars for the external exams during Year 7 to Year 10 will be available within the mathematics department.
- **Oxbridge Preparation:** Extra help in preparing 6th Formers for the STEP and MAT entrance exams.
- **Mathematics Instruments:** Free Casio Classwiz Calculator for 6th form Scholarship students.

ASSESSMENT PROCEDURE:

- All assessments are held in the spring and summer terms while the students are still in Year 6 and 7.
- Assessments are organised by the mathematics department and coordinated by the Scholarship Coordinator.
- The assessment test will last approximately one hour.
- Parents/Guardians/Carers are invited to support their application with an open reference on their child’s mathematics potential from a teachers or private tutors.
- Parents/Guardians/Carers are invited to provide a supporting statement to show how they believe their child could benefit from Kingsdale Foundation School’s Mathematics Scholars Programme
- Parents/Guardians/Carers will be informed in writing of the outcome of their child’s assessment..

REMEMBER:

Mathematics Scholarships are **NOT** used for admission purposes. Prospective students are only eligible to apply for a Mathematics Scholarship **IF and ONLY WHEN** they have received a formal offer of a place at Kingsdale Foundation School after 1st March in the Year of entry to Year 7.

2022-2023 ASSESSMENT DATES :

March 2022