

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 2019/2020

#### Faculty Of Mathematics

**Director of Mathematics:**  
*Mrs. M. Bright*

**Head Of Mathematics:**  
*Mr. N. Dobson*

**2nd in Charge of Mathematics**  
*Mr. D. Le Maitre-George*

**Scholarship Coordinator:**  
*Mr. E. Otieno*

**Gifted & Talented coordinator**  
*Dr. J. Poon*



**Frankfurt;  
Germany.  
March 2019**



#### WHAT IS PLANNED FOR 2019-2020

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 2020)
2. **USA: New York** for Year 12 & 13 (Jan 2020)
3. **China: Beijing** for year 9 & 10 (November 2020)

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

Also included in this years programme, we will also be touring the **City of London**. The tours will be based on visiting London's iconic landmarks and finding the Maths in our city..



# KINGSDALE MATHEMATICS SCHOLARSHIP PROGRAM 2019/2020

- Do you have a high **aptitude** for numbers?
- Would you consider taking Mathematics at “A Level” and BSc in Mathematics, Engineering or Maths related courses 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 program to students who can demonstrate a higher aptitude and enthusiasm for Mathematics.

## What we offer:

A Mathematics Scholar will receive the following provisions:-

- **Extra tuition:** Students will have an extra hours a week working with Mathematics specialists 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 UK Mathematics trust. This is an hour test done by the best young Mathematicians across the Country. Students will participate in an hour 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 summer term. This is a prestigious organisation of which its results are acknowledged Internationally.

- **Mathematics Master Classes:** This will be an out of school session where the scholars will be taught by University tutors. Students have the opportunity to engage with the application of Mathematics in the real world. We will have sessions with a top Russell University 4 or 5 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.
- **London Secondary Mathematics Challenges:** This is a competition organised by the office of the Mayor of London. Students will participate in Puzzles, Modelling, Maths questions, Mind bending games e.t.c. Winners will receive medals and trophies both individually and for the school..
- **Early Entry:** Scholars will have opportunity to be in the top sets and to be entered for GCSE exams at the end of Year 10 **if and ONLY if** they have met the minimum 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 11.
- 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 teacher or private tutor.
- 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 of March in the Year of entry to Year 7.

## 2020 ASSESSMENT DATES :

**March 2020**