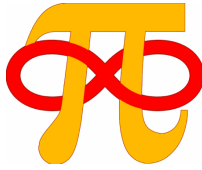**The Rockdale Magnet Math Team**
State Champions 2004, 2005, and 2013

Rockdale Magnet School for Science and Technology
930 Rowland Road, Conyers, Georgia 30012

Abby Oser, Math Team Captain
Dr. Chuck Garner, Math Team Sponsor
Mrs. Amanda Baskett, School Director
Tel: 770 483 8737   Fax: 770 483 7379

November 1, 2019

Dear Math Team Sponsor:

The Rockdale Magnet Math Team invites your school to participate in the Fifteenth Annual Rockdale Mathematics Competition for Middle Schools on Saturday, February 1, 2020 at the Rockdale Magnet School for Science and Technology in Conyers, Georgia. The Rockdale Magnet School is located at 930 Rowland Road, Conyers, adjacent to the Rockdale County High School campus.

A team from your school consists of exactly FOUR students. You are invited to register up to TWO teams. (Fewer than four students may form a team, but they would compete at a disadvantage.)

Each school will be classified by the following.
- The "Large School" division includes
  - public middle schools with a school enrollment size of 800 or more in grades 6-8;
  - non-public middle schools with a school enrollment size of 300 or more in grades 6-8.
- The "Small School" division includes all other public middle schools.
- The "Independent School" division includes all other non-public middle schools and all homeschools.

However, a Small School or Independent School may elect to compete in the Large School division.

There are four rounds of competition, three of which are team oriented. There is no multiple-choice test.

The Team Round – The four-student team will be given 10 unrelated problems of various topics and difficulties to solve within 30 minutes. The team will work together to solve the problems and the correct answers will be written on a separate answer sheet; correct answers earn 6 points each (60 points total).
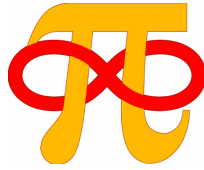
The Power Round – The four-student team will be given a single multi-part problem for which all work must be shown; answers must be justified in the JV and Varsity level Power Rounds. The team is given 40 minutes to write solutions; 60 points are possible and partial credit is awarded.

The Relay Round – The four-student team will participate in one Relay Round consisting of six problems. After the first problem, the answer to the previous problem(s) must be used to answer each subsequent problem. Each team member will receive all problems, and answers to all six will be submitted. Points are earned by answering consecutive problems correctly: the first answer correct earns 2 points; the first two correct earns 5 points; the first three correct earns 8 points; the first four correct earns 15 points; the first five correct earns 25 points; all six correct earns the maximum 40 points. There is a 10-minute time-limit.

The Individual Round – Each person answers 10 problems given two-at-a-time. The time limit for problems 1 and 2 is 4 minutes with an additional minute for each successive pair so that problems 9 and 10 have an 8-minute time-limit. Each correct answer earns 1 point, and, unlike traditional ciphering, there are no additional points for answering more quickly (40 points total).

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As always, there are *NO* calculators allowed on any part of the tournament.

Team awards are based on the sum of all points earned on all four rounds; ties in team scores are broken by highest Team Round score, then Power Round score, then Relay Round score. The top 3 teams in JV and Varsity in Large, Small, and Independent are awarded. For State Math Tournament qualifying purposes, the Varsity division results will be submitted to GCTM.

Individual awards are based solely on the Individual Round. For the purposes of individual awards, each individual question is weighted based on difficulty. These weighted values are not included in team scores but are only used to determine individual winners. We will recognize each person who receives the overall highest score with a championship medal, and each person with the highest score from each school will receive a school winner medal. There will be no tiebreaker round.

The tentative schedule for February 1, 2020 is below. It is subject to change.

8:45 – 9:15	Registration
9:30 – 10:15	Power
10:25 – 11:10	Team and Relay
11:10 – 11:30	Break
11:35 – 12:20	Individual
12:25 – 1:30	Lunch (on your own)
1:45 – 2:00	Awards

Registration will be done electronically this year with a Google Form. To register, please go to https://forms.gle/SHkKNLy4yWoJejXd9.

Please consult the Competition website, http://www.rockdalemathcompetition.com, for more information and updates.

We hope you will find this Competition a rewarding mathematical experience for your students, and we look forward to seeing you on February 1st.

Regards,
The Rockdale Magnet Math Team