



## Eleventh Annual South Forsyth High School War Eagle Middle School Math Tournament

Dear Math Team Sponsor:

The South Forsyth High School Math Team and Mu Alpha Theta Chapter invite you and your school to participate in the Eighth Annual South Forsyth High School War Eagle Middle School Math Tournament. The tournament will be held Saturday, November 16, 2019 at South Forsyth High School in Cumming, Georgia. This year we will be hosting the tournament in the Main Hall and Dining Hall. There will be two different levels for the tournament. Here are the divisions:

- 6 – 8 GSE – This division is for students who are enrolled in a course for either the 6<sup>th</sup>, 7<sup>th</sup>, or 8<sup>th</sup> grade GSE, or who are in a middle school course in a traditional math curriculum at a private school.
- Accelerated – This division is for students enrolled in either the Accelerated Algebra 1/Geometry A course, or for those who are in a traditional math curriculum and are enrolled in a mathematics course at the Algebra 1 level or beyond.

A team consists of four students. If a school brings at least one Accelerated team, then they may bring up to four GSE teams if they wish. Schools bringing only GSE teams may bring up to three full GSE teams. No school can have more than 4 teams per division (8 total).

**Please note:** students enrolled in courses beyond the algebra 2 level will not be able to participate in the tournament.

The tournament will consist of three rounds of competition.

**Individual:** The written examination will be a 30-question, 1-hour, multiple-choice examination. The exams will include material from their respective GSE content areas, as well as many problems designed to use general mathematical problem solving ability outside the specific skills of the curriculum. The written test will be scored using the following formula:  $30 + 5 * (\# \text{ correct}) - (\# \text{ incorrect})$ , which results in a maximum possible score of 180.

**Team Ciphering:** During this round, ten ciphering questions will be given to the teams, two questions at a time. The team will have 6 minutes to solve each pair of problems and will be able to discuss the solution quietly. Proctors will announce when there is 1 minute and when there are 15 seconds remaining for each pair. Each ciphering question will be worth 15 points (150 total points).

**Relay:** The relay round will consist of 4 person teams and two rounds of questions. In this round, the first person's answer is passed to the second person, where the second person must use that answer to solve his/her problem; the second person's answer is then passed to the third person, where the third person must use that answer to solve his/her problem, etc. The fourth (and final) person then turns in the final answer; this is the only answer that is graded. Each team will have 8 minutes to complete the relay. Correct final answers within 5 minutes earn 15 points each, correct answers within 8 minutes earn 10 points (30 points total).

\*Incomplete teams (fewer than 4 students) may compete in the team ciphering round but may not participate in the relay round. **Individuals** may participate as an incomplete team, provided their school is not bringing the maximum number of teams. If an individual wishes to participate and their school is not attending, they may compete as an incomplete team.

NO CALCULATORS will be allowed during the individual and relay portions of the competition, however calculators WILL be allowed during the team ciphering round of the competition (no calculators that have CAS systems or QWERTY keyboards will be allowed).

**Awards:** Team awards will be computed from the total of each individual on the team's score, the team ciphering score, and the relay score. Awards will be given to the top teams in each division, and to the top 10 individuals in each division. Individual awards will be based solely on the written examination.

**Estimation Competition:** In addition to the three competitive rounds, students will be able to compete individually in a competition based on their estimation capabilities. This competition will take place after refreshments while teams are waiting for the results from the competition.

**Tournament Schedule:** Here is the tentative tournament schedule:

8:15 - 8:45 AM		Registration
<b><u>GSE 6 – 8 Category</u></b>		<b><u>Accelerated Category</u></b>
9:00 - 10:15	Written Test	9:00 - 10:15 Ciphering & Relay
10:20 - 11:35	Ciphering & Relay	10:20 - 11:35 Written Test
11:40 - 12:00	Refreshments	11:40 - 12:00 Refreshments
12:00 - 12:30		Estimation Competition
12:30 – 1:00		Awards Presentation

Please complete the attached registration form and include a check made payable to South Forsyth High School. Contact Anthony Coley at [Acoley@forsyth.k12.ga.us](mailto:Acoley@forsyth.k12.ga.us) or Stacey Anderson [slanderson@forsyth.k12.ga.us](mailto:slanderson@forsyth.k12.ga.us) with any questions.

We hope to see you in November!