

**FLORIDA EDUCATION FUND
MATHEMATICS BRAIN BOWL RULES**
(COVID-19 Edition for 2021-2022 Competitions, September 2021)

MISSION

The Florida Education Fund's (FEF) Mathematics Competition seeks to increase interest in mathematics and to develop problem solving ability through a series of challenging mathematics contests for students.

Each Center of Excellence will create a math team to correspond with each level of competition. The FEF will develop all rules and regulations pertaining to the competition and facilitate competition preparation.

A. GENERAL

1. Teams will consist of five (5) players.
2. Prior to competition, each team will designate a captain and a co-captain. The captain will introduce the members of the team, the coach, and the sponsors before competition begins.
3. There will be an ombudsman utilized at every level of competition.
4. Teams competing at the State Competition in March 2022 must submit pre-test scores to the Florida Education Fund in November 2021.
5. DURING COMPETITION, ALL PARTICIPANTS ARE RESPONSIBLE FOR THESE RULES AS WRITTEN. Any participant who violates any Competition rule may be barred from participating in the Competition during the remainder of the current Competition year or in subsequent years, at the discretion of the FEF.
6. No recording, written, audio or visual, will be permitted by the participants, and no audience members other than COE Directors will be allowed to attend the competitions.

B. QUESTIONS AND COMPETITION

1. The Math Competition will take place at the state level in March 2022.
2. To compete, a team's members and coaches will meet by Web video conference at a time designated by the FEF, during which the team will collectively take a timed online mathematics quiz for which the team captain or designee will input team answers. For the competition, each team member will be required to download and install onto his/her computer safe exam browser software indicated or provided by FEF.
3. During the entire time the team is taking the online quiz, each team member and team coach must position their cameras as directed during a Competition Orientation to be held by FEF, so that they and their surroundings can be clearly seen during the Web video conference. Although team members may confer with each other while taking the online quiz, no one may look at mobile computing devices, refer to written or online materials, or receive guidance or help from any non-team member or other source while the team is taking the online quiz, and

no team member may open any application on his/her computer other than the Web browser displaying the online quiz and the Web video conferencing software. While the team is taking the online quiz, the team coach may not speak to or otherwise signal any team member. The team will be subject to disqualification if any team member or coach violates any of these rules.

4. The team with the highest number of points on the online quiz will be declared the champion. In the event of a tie, each of the tied teams will compete again following the same rules as outlined above, until a winner is determined.

C. GRIEVANCE PROCEDURES

Within 48 hours after competing, any participant who would like to express a concern about the Competition must send that concern to the Director of his/her local Center of Excellence who will forward the information to the FEF's Vice President within 24 hours after receiving it. The FEF's Vice President will ensure that all such concerns are reviewed and considered by the official Math Competition Committee. Once FEF announces the official outcome of the Competition, that official outcome is final and cannot be protested.

D. SUGGESTED PLANNING STRATEGIES

Practice Materials to be used:

- 6th-8th Grade Competition:
Forward Mathematics; Mathematics Florida Standards Curriculum, Grade 8, by Carol Martin, Everglades Publishing

Make sure all five domains are covered equally (the number system, expressions and equations, functions, geometry, statistics and probability).

- 9th-10th Grade Competition:
PSAT/NMSQT Prep 2022: 2 Practice Tests + Proven Strategies + Online (Kaplan Test Prep)

Make sure all four problem categories are covered equally (arithmetic, algebra, geometry, and miscellaneous [probability, data interpretation, counting and ordering problems, special symbols, logical analysis]).

- 11th-12th Grade Competition:
SAT Prep Plus 2022: 5 Practice Tests + Proven Strategies + Online + Video (Kaplan Test Prep)

Make sure all four problem categories are covered equally (arithmetic, algebra, geometry, and miscellaneous [probability, data interpretation, counting and ordering problems, special symbols, logical analysis]).

Please note that competition questions will NOT be limited to questions from the above-listed practice materials.

Encourage your teams, challenge them and remind them often of what is at stake, i.e., awards, which may include college scholarships for high school students. In addition to awards, the benefits of participating will increase students' study skills, sportsmanship, teamwork and knowledge of mathematics.

Final Competition Calculators

Each Center will be responsible for providing the calculators for their team members. Only T1-30Xa and TI-30XIIS calculators can be utilized during the competition.

E. PRE- TESTS: TEAM REGISTRATION

The team Coach or designee for each team will administer pre-tests. The test scores must be submitted to the Florida Education Fund by November 15, 2021.

Centers that submit their team registration information after February 18, 2022, will be assessed a \$50 late fee.

GLOSSARY

1. **Coach** – The person(s) who prepares the 5 students for the Brain Bowl Competition.
2. **Ombudsman** – The person who is responsible for monitoring team members and coaches during competition.
3. **Team** – A group of 5 students competing in the competition