

City of Germantown Education Commission

2022 BATTLE of the BRAINS

Math and Science Competition

High school sports are not the only competitions in town. Participating students will be intellectually stimulated to create and build a project in the field of science, mathematics and/or engineering. Groups from all schools are encouraged to compete. A trophy, cash awards and other prizes will be given.

OBJECTIVE: To encourage high school students to pursue a field of science or math to become more creative and globally competitive

WHO: **High school students only**, all Germantown and Houston High School students regardless of their residency, high school students who are Germantown residents, but attend a school outside of Germantown and all home-schooled students who reside in Germantown

WHEN: Saturday, March 26, set up 8 a.m., judging 9 a.m., awards presentation to immediately follow

WHERE: Houston High School, 9755 Wolf River Boulevard

SCORECARD: Projects will be scored on a scale of 1 (poor) to 5 (excellent) in six categories - project quality, originality, creativity, positive impact on society, contribution to science and presentation. Judges will provide positive constructive comments.

AWARDS: First place \$300 per student, second place \$200 per student, third place \$100 per student

RULES:

1. Projects must be based on science, math and or engineering. Originality is preferred, however improvement methodologies are acceptable.
2. The project must be group created.
3. A group may not contain more than four students and must designate a captain.
4. One six-foot table will be provided for each project. All presentation materials should fit on the table. Students are encouraged to use posters and models. PowerPoint presentations are welcome, however laptop computers will not be provided. **If needed, access to an electric outlet must be requested in advance and students must provide their own extension cord.**
5. Students will make presentations (up to five minutes) at their table to the judges. Five additional minutes will be provided for judges to ask questions.
6. Coaching may not occur while the presentation is in progress.
7. Judges will be university faculty members or professionals without ties to any participating school.
8. Schools may assign a faculty member to coordinate competitors.
9. Additional rules regarding use of chemicals and biological agents may be provided by your school.
10. Students are encouraged to ask questions prior to the competition. Education commission members are glad to visit schools or speak to students to clarify any part of the competition or provide additional details. Simply contact Stacey Ewell at 751-7559 to request a visit or call. The commission's goal is to ensure that students have all of the information they need to succeed.

GUIDELINES:

1. Students, through discussions with teachers, advisors or other professionals, will identify a topic for development in any area of math, science and/or engineering.
2. Students may choose any theme for their project.
3. Provide innovative solutions and measurable outcomes using applied math, science and/or engineering to solve problems.
4. The project must be created and built by the participating students with minor support and/or guidance from teachers or parents.
5. An application and an abstract of the project must be submitted by March 11 to: Sewell@Germantown-TN.gov or City of Germantown, Attn: Stacey Ewell, 1930 S. Germantown Road, Germantown, TN 38138.

For information, contact Stacey Ewell
at 751-7559 or SEwell@Germantown-TN.gov.

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Application to Participate

PLEASE PRINT CLEARLY.

Name of school: _____

Name of project: _____

Team captain's name: _____ Grade: _____

Address: _____ City _____ ZIP _____

Phone: _____ Cell: _____ Email: _____

Name: _____ Grade: _____

Address: _____ City _____ ZIP _____

Phone: _____ Cell: _____ Email: _____

Name: _____ Grade: _____

Address: _____ City _____ ZIP _____

Phone: _____ Cell: _____ Email: _____

Name: _____ Grade: _____

Address: _____ City _____ ZIP _____

Phone: _____ Cell: _____ Email: _____

Please submit an abstract of no more than 250 words (may also include diagrams) describing a project that will provide innovative solutions and measurable outcomes using applied science, math and/or engineering. Project names may not be changed once submitted.

Name of advisor (optional): _____

Do you want an advisor assigned to you? yes no

Phone: _____ E-mail: _____

Will you need electricity to operate any component of your project or to power a computer? yes no

Application deadline: March 11 , 2020

Mail completed applications to: City of Germantown, Attn: Stacey Ewell, 1930 S. Germantown Road, Germantown, TN 38138

If you have any questions at all, please contact Stacey Ewell at 751-7559 or SEwell@Germantown-TN.gov.

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