

2017 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: All students from Germantown High and Houston High Schools, regardless of residency, are eligible to participate. High school students who live in Germantown but attend a school outside the City or participate in homeschool may also participate.

WHEN: Saturday, February 4, set up 8 a.m., judging 9 a.m. to noon, lunch and awards presentation follows

WHERE: Houston High School

SCORECARDS TO INCLUDE:

	Excellent	Very Good	Good	Fair	Poor
Originality	5	4	3	2	1
Quality of Project	5	4	3	2	1
Creativity	5	4	3	2	1
Positive impact on society	5	4	3	2	1
Contribution to Science	5	4	3	2	1
Presentation	5	4	3	2	1

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.
5. Students will make presentations (up to five minutes) to the judges at their table. 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.

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. "Boldly think what no one has thought before."
5. The project must be created and built by the participating students with minor support and/or guidance from teachers or parents.
6. An application and an abstract of the project must be submitted by January 6 to:
Sewell@Germantown-TN.gov or
City of Germantown, Attn: Stacey Ewell
Battle of the Brains Competition
1930 S. Germantown Road
Germantown, TN 38138

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

City of Germantown Education Commission

2017 BATTLE of the BRAINS

Math and Science Competition

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: January 6, 2017

Mail completed applications to: City of Germantown, Attn: Stacey Ewell, 1930 S. Germantown Road, Germantown, TN 38138
For more information, contact Stacey Ewell at 751-7559 or sewell@Germantown-TN.gov.