



Tests of Engineering Aptitude, Mathematics and Science (TEAMS) is a competition for students in middle and high school that allows them to apply their knowledge of skills in science, technology, engineering and mathematics (STEM) to issues facing our global society. The TEAMS competition gives students an opportunity to explore issues that engineers face every day. In 2019, students will answer questions and design solutions based on the theme “The Engineering Brain.”

Type of volunteers needed: Essay judges

Location: Anywhere - judging is done via a web portal

Date: Judges are needed in February and March

Time needed: Approximately 5-6 hours (time may be split up over several days)

Description: Judges work independently to score an assigned set of essays using an electronic rubric

Skills needed: Judges should have an interest in the topic area (the engineering brain). An engineering degree is not required.

Essay topic:

Humankind continues the development of artificial intelligence to more accurately mimic the function of the human brain. Your task is to imagine the application or implementation of artificial intelligence toward a product and to predict the future effects of its use on both individuals and society.

Your essay should (at a minimum) address the following questions: Imagine advancement(s) in technology in which artificial intelligence is or will be implemented in the next 10-15 years that would make some aspect of life different. How would that advancement impact individuals and society as a whole? Describe both the advantages and disadvantages to individuals and to society. Teams may choose one or more technological advancements to write about.

Type of volunteers needed: Judges to evaluate student presentations

Location: National Harbor near Washington, D.C.

Date: June 29th

Time needed: Approximately 8 hours

Description: Judges will evaluate student presentations on a specific topic related to the engineering brain.

Skills needed: Judges should have an interest in the topic area (the engineering brain). An engineering degree is not required.

Additional opportunity – sponsor participation of local schools

For more information about TEAMS volunteer opportunities contact Jenn Glover, TEAMS Manager, jglover@tsaweb.org (subject line: TEAMS volunteer) or 888/860-9010