

## STEM Volunteer Opportunities

STEM - Science, Technology, Engineering and Math - is a program intended to encourage the study of science, mathematics, and for K-12 children and we at Scott are now collaborating with the SIUE STEM Office for our region. Getting children excited about technology will go a long way to fill the need a skilled labor base for the DOD and the US.

SIUE opportunities for volunteers are listed below:

The event directors are thrilled beyond words to have the extra help. This is just the tip of the iceberg as far as outreach activities but these are the ones that have scheduled with the SIUE STEM office and asked for help. Contact Dawn Olive, [dolive@siue.edu](mailto:dolive@siue.edu), if you have any questions. Scott AFB POC: Todd Pollard, 220-1660, [Todd.Pollard.ffrdc@ustranscom.mil](mailto:Todd.Pollard.ffrdc@ustranscom.mil) and Cheryl Heimerman, 256-6603, [cheryl.heimerman.ffrdc@ustranscom.mil](mailto:cheryl.heimerman.ffrdc@ustranscom.mil). Please info Todd and Cheryl when you volunteer so we can track Team Scott participation.

**February 19 - Science Olympiad** - contact Dawn Olive [dolive@siue.edu](mailto:dolive@siue.edu)

This event hands-on competition consists of 32 individual events from across the sciences. Volunteers are needed to administer tests ranging from written exams, lab experimentation, to testing devices built both on site and before the competition as well as provide additional support and supervision of the middle and high school participants. The day begins at 8 AM and runs until 3:30 PM with each event lasting approximately 2 hours.

**February 26 - ICTM Math Contest** - contact Dr. Tammy Voepel ([tvoepel@siue.edu](mailto:tvoepel@siue.edu))

For event students from area middle and high schools compete by taking written math exams to test the extent of their knowledge. Volunteers are needed to help proctor exams 8:30 AM to noon and to serve as exam graders from 9:45 to noon.

**March 26 - Regional Science Fair** - contact Dawn Olive ([dolive@siue.edu](mailto:dolive@siue.edu))

Volunteers are needed to serve as judges for student project presentations. Participants range in grades from 5th through high school. There is a judges training meeting which begins at 8 AM and most judges are finished by noon.

**April 30 - BotBall Tournament** - contact Dr. Jerry Weinberg ([jweinbe@siue.edu](mailto:jweinbe@siue.edu))

Middle school students build and test robots designed to perform specific tasks in a competitive environment. Volunteers are needed to referee the student competitions for this tournament.

**Summer - Transportation Engineering Summer Camp** - contact Dr. Ryan Fries ([rfries@siue.edu](mailto:rfries@siue.edu))

Pending funding. An opportunity for middle and high school level students to learn about a wide variety of transportation subjects. Previous curriculum includes many guest speakers and field trips.