



Junior Solar Sprint (JSS) and Senior Solar Sprint (SSS) are national STEM-based competitions. JSS is funded by the U.S. Army Educational Outreach Program (AEOP)—empowering teachers, mentors, and community members to engage students in designing, building, and racing model solar cars. Senior Solar Sprint is administered by the Technology Student Association.

JSS targets fifth through eighth grade students, and SSS targets ninth through twelfth grade students. Both programs provide an opportunity for students to apply scientific understanding, creativity, experimentation, and teamwork as they design, build, and race solar electric vehicles. Using the TSA competitive event guidelines format, JSS and SSS support the instruction of STEM in categories such as alternative fuels, engineering design, and aerodynamics. Students may participate in Junior Solar Sprint and Senior Solar Sprint through TSA chapters and Army-hosted locations across the country.

Type of volunteers needed: Organizations/companies to partner with local Army bases

Location: Across the United States

Date: Spring 2024 (various dates)

Time needed: 6-8 hours

Description: Organizations/companies are encouraged to partner with local Army bases to host a JSS/SSS race for students in their area.

Skills needed: Communication with the JSS/SSS program manager and the local Army base to determine how to facilitate the event is necessary.

Type of volunteers needed: Competition judges

Location: Online

Date: end of May

Time needed: 4-5 hours

Description: Volunteers are needed to evaluate competition entries that are submitted online.

Skills needed: Volunteers will use an electronic rubric for scoring entries.

Type of volunteers needed: Competition judges

Location: Orlando, Florida

Date: June 26–June 30, 2024

Time needed: 4-5 hours

Description: Volunteers are needed to evaluate competition entries and assist with the JSS/SSS races.

Skills needed: Volunteers will use an electronic rubric for scoring entries.

Additional opportunity: Provide resources to Title I schools.

For more information about JSS/SSS volunteer opportunities, contact Sue King, JSS/SSS Program Manager, at sking@tsaweb.org (subject line: JSS/SSS volunteer) or by calling 888/860-9010.