

Sustainability Solutions (Demonstration Contest)

Purpose

To recognize outstanding Green technology innovation projects that have been developed by a two-member team of students. The student team will present its innovative idea along with a display and live model.

First refer to the general regulations on Page 9.

Clothing Requirement

For Men: SkillsUSA official attire: Official red blazer or jacket, black dress slacks, white dress shirt, plain black tie with no pattern or SkillsUSA black tie, black socks, and black shoes.

For Women: Official red blazer or jacket, black dress slacks or skirt, with businesslike white, collarless blouse or white blouse with small, plain collar that may not extend onto the lapels of the blazer, black sheer or skin-tone hose, and black shoes.

These regulations refer to clothing items that are pictured and described at: www.skillsusastore.org. If you have questions about clothing or other logo items, call 800-401-1560 or 703-956-3723.

Eligibility

Open to a team of two active SkillsUSA members enrolled in a career and technical education program that integrates Green technology techniques as an integral component of the instructional program.

Observer Rule

No observers will be permitted during the judging phase of the team presentation. Live models and presentation displays may be viewed on the day of the competition. All teams will be invited to repeat the team presentation to the public following the judging phase.

Equipment and Materials

1. Supplied by the technical committee:
 - a. A space for the live model no bigger than 10'x 10'
 - b. A space for the storyboard
 - c. One standard 120-volt electrical outlet
 - d. One standard 6' conference table
2. Supplied by the contestant team:
 - a. Live model (Live model cannot be hazardous in any way. Live models must be transported and set up in the contest area by the contestant team. No help will be provided by SkillsUSA.
 - b. All competitors must create a one-page résumé using a word processor and submit the résumé electronically at: www.skillsusa.org/compete/updates.shtml. Check the Web site for further instructions.

Scope and Contest

The sustainability team is comprised of 2 students. Projects must involve the following components:

Locally, the team would meet and **generate ideas** for a sustainability project. The team would be required to document the idea generation process and be prepared to present

the idea as well as the need for the project chosen. All team meetings would be documented in team reports. The purpose of the team reports is to allow judges to see the team process and evolution of the project.

The team would agree on a sustainability project. The project should be built around the need for a sustainability process, concept, device or structure. Research should be documented to show the need for the project concept. Connection to the community and/or business and industry in the research, planning and building process is encouraged.

The project can be built around any sustainability **concept**. Examples include, but are not limited to the following: Green building processes, alternative fuels, recycling, energy savings processes/systems, alternative energy (i.e. solar, wind, etc.).

The **project** should be built as a tabletop display and should be no larger than 24" x 72". The student project can also be a concept built around creative ideas that generate networking or discussions that lead to a sustainability/green idea and proposed solution (for example, the student team could create and manage a blog that gathers opinions from a wide audience around a green initiative. The "project" would then be demonstrated with the use of computer technology – LCD projection of the process on screen, etc. with a presentation and

explanation of the process, outreach and results achieved.)

Teams will construct a **notebook** (3-ring official SkillsUSA notebook) that will use photos, news articles, etc. to tell the story of the evolution of the project. The notebook will be organized in the following order:

Table of contents
Reports of team planning meetings. Each report should include: date of team meeting, persons attending, items discussed and decisions reached.

Research information used by the team in developing the project

A narrative describing the evolution and construction or development of the project.

A report on results achieved.
Example: How many people were exposed to the project, impact on the school and/or community.

Projected future impact the project could have on the community, environment, school, etc.

Photo documentation of the full process – from design to completion

Appendix. The appendix will be no more than ten pages and can include news articles and other publicity, letters of commendation, other back up materials that document community and business support or team recognition.

At the competition, teams will make a **professional presentation** to

the judges. The purpose of the presentation is to allow students to explain their project and the team should utilize some form of audiovisual media. A/V could include flip charts, computer generated presentations, etc. The presentation will be no less than seven and no more than ten minutes in length. Both team members must be a part of the presentation.