

TECHNOLOGY TEAM PROBLEM SOLVING

I. Purpose:

To foster teamwork and problem solving skills through competition.

II. Clothing Requirements:

SkillsUSA or appropriate conference attire. Your school name should not appear on any clothing.

III. Eligibility:

Any SkillsUSA Nebraska member who qualifies for SkillsUSA Nebraska Leadership & Skills conference is eligible to serve on a **team of 3-5 members**.

IV. Equipment and Materials:

The competing teams will receive contest details, tools and materials necessary to develop a solution to a specific problem.

V. Procedures:

A. All members of a team must be present at the announced location and time for the start of the competition.

B. Each team will receive contest details, tools, supplies, and related materials necessary for a problem to be solved specifically for the competition. The solution to the problem must be created using the materials provided.

C. Each team will develop a solution to the problem by:

1. Identify the Problem
2. Brainstorm
3. Design
4. Build, Test & Evaluate, Redesign
5. Share Solution

D. Each team will work in a designated area. All construction work must be done in the assigned area with the materials provided. Also, appropriate safety procedures must be followed during the construction and testing phases.

E. Forms for sketches and procedures will be provided and are to be turned-in for evaluation at the end of the contest.

F. The solution to the problem must be completed and tested within the time announced for the activity.

G. Judges will evaluate the device built to solve the problem, related sketches and forms, and will witness the actual solution to the problem.

VI. Scoring:

Scoring can be based on: All team members present; Clothing Requirements; Identifying the Problem; Solution Design (Brainstorming, Sketch, Creativity); Solution Fabrication (Construction, Aesthetics); Solution Testing (Test Procedures, Evaluation); Solution Output (Fabrication, Results); and Rule Violations.