



## Team Engineering Challenge

## Career Competition

**Career Cluster:** Manufacturing/STEM

**State Qualifying Event:** No

**National Contest:** Yes

**Participation:** Teams of 3

### Competition Description

This competition is designed to evaluate and to recognize outstanding students for excellence and professionalism in the areas of creative and critical thinking skills and the decision-making process, to solve a problem. The competition is intended to foster creativity, innovation, teamwork and problem-solving skills.

### Tasks To Be Evaluated

The demonstration is a presentation of an occupational skill accompanied by a clear explanation of the topic using examples, experiments, displays and practical testing operations.

### Clothing Requirement

#### National Requirement:

#### Class E: Competition Specific — Business Casual

- Official SkillsUSA white polo shirt
- Black dress slacks or black dress skirt (knee-length minimum)
- Black closed-toe dress shoes

#### State Requirement:

#### National Requirement OR

- White polo shirt or button-down dress shirt (other colored polo/dress shirt will be subject to deductions)
- Black dress slacks or black dress skirt (knee-length minimum)
- Black, closed-toe dress shoes.
- Any embroidered names or school patches must be covered, if applicable.

### Provided by Competitor

- Safety glasses
- One (1) roll 3/4" or 1" masking tape
- Eight (8) 3"x5" index cards
- Eight (8) Popsicle sticks or tongue depressors
- Ten (10) 8 1/2" x 11" sheets of printer paper
- Three (3) feet of string
- Six (6) drinking straws
- Ten (10) #1 paper clips
- 6 Rubber bands
- 4 binder clips
- Scissors
- Rulers, straightedges, and/or measuring scales
- Marking devices (pens, pencils, etc.)

### Provided by Technical Committee

- All tools, materials, and supplies necessary to solve the competition problem (except those items listed for competitors). Such items may include hack saw, glue guns, electric drill
- All necessary information and furnishings for judges and technical committee