



## 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

- Drawing equipment (team's choice, e.g., ruler, straightedge, T-square, triangle, scale, pencils, pens, compass, etc.)
- Safety glasses
- Calculator
- Scissors
- Exacto-knife or equivalent (1.5" max blade exposed)
- Coloring/Writing utensils (Markers, Crayons, Colored Pencils, etc.)
- Tape, glue, paper, staples, paper clips, etc.
- Competitors are not allowed materials that will "add" to their prototype.
- Paint is not allowed
- Teams are not allowed their own saws, glue guns, drills – these will be provided by the competition committee.

### 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