



# Principles of Engineering Technology

## Career Competition

**Career Cluster:** Manufacturing/STEM

**State Qualifying Event:** No

**National Contest:** Yes

**Participation:** Individual

### Competition Description

To evaluate each competitor’s understanding of basic technical concepts/principles of the applied sciences and their ability to demonstrate and explain the concept/principle in action and application.

### Tasks To Be Evaluated

The competition includes a technical demonstration where the knowledge, underlying theories, and applications of the chosen concept or principle in action and application will be demonstrated.

### 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 Requirements 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

- Competitors are required to bring one copy of the discussion paper on competition day.
- All materials and equipment required for the demonstration.
- If electricity is required, competitor must have a 20-foot heavy-duty extension cord.
- All competitors must create a one-page resume.

### Provided by Technical Committee

- Timekeeper
- 8’X12’ space, one table and one 120-volt (15 amp) electrical outlet