



Drafting Competition

2023 State Fair

8/23/2023

DATE: Monday, September 25, 2023

TIME: 10:00 a.m. Registration
10:30 a.m. Contest starts
12:00 p.m. Contest Ends
2:00 p.m. Awards

PLACE: State Fairgrounds at The Meadows in Doswell, VA, Caroline County

COMPETITION CHAIR: Veronica Spradlin
Blacksburg High School

SCOPE OF THE COMPETITION:

The contestant will be required to provide a technical drawing solution for the provided drafting problem. The solution will be sketched to the required scale on the provided graph paper. The competition **may** include content from the following competencies:

- Perform metric to U.S. customary system conversions.
- Perform conversions within a measurement system.
- Apply basic mathematical skills to drafting operations.
- Apply mathematical calculations involving practical geometry and trigonometry.
- Demonstrate techniques for scale usage.
- Prepare freehand sketches.
- Perform freehand lettering.
- Apply line conventions.
- Prepare orthographic projections.
- Create pictorial views from orthographic projections.
- Dimension mechanical drawings.
- Prepare sectional views (full, half, and offset).
- Use basic drafting standards.
- Add general notes to a drawing.
- Select the appropriate types of projections to represent objects.
- Apply mechanical symbols to a drawing.

NUMBER OF CONTESTANTS:

This is an individual contestant competition. Schools may enter an unlimited number of secondary students.

SKILLSUSA VIRGINIA WILL SUPPLY:

- Table and Chair Workspace

COMMITTEE WILL SUPPLY:

- 11 X 17 Quad Ruled Drawing Paper
- Architectural Triangular Scale
- Scrap Paper

TOOLS AND MATERIALS REQUIRED BY CONTESTANTS:

- Pencils of desired hardness for sketching
- Eraser(s)

Note: students will not be allowed to use mechanical drawing instruments such as compass, templates or straight edges. No electronics (phones, laptops etc.) or reference materials will be allowed.

AWARDS: Awards will be presented at the contest area for first, second and third place.

ENTRY FEE: \$20.00 per contestant entering the competition. The registration must be accompanied by a check. Please register on-line at www.skillsusava.org, go to Event, State Fair and then to Competitions.

DEADLINE: Schools must register the number of teams by September 19, 2023. Contestant names must be submitted by September 19, 2023. Substitutions may be made the day of the competition.

- *Participants must have a Student Competition Ticket to enter the Fairgrounds unless they are already at the Fair for another competition.*
- *Teachers are responsible for ordering tickets online directly from the State Fair Ticket Office using a State Fair Student Competition Ticket Order Form, which can be found on-line at www.skillsusava.org under 'State Fair'*
- *State Fair tickets MUST be ordered online so everyone may enter near contest site. (Gate 2) You will be allowed to park in this area with advance tickets. No picking up tickets on site.*