SKILLSUSA VIRGINIA STATE CHAMPIONSHIPS

Architectural Drafting
Technical Drafting

The Architectural and Technical Drafting competitions will be held at the State Leadership Conference – refer to the SLC agenda and contest updates for specific locations. The contests will begin at 8 a.m. and will run for approximately 4 hours. Contestants are expected to be at the contest site, with their equipment (e.g., laptop, PC, peripherals; or manual drafting equipment) setup, ready to begin the contest by 8 a.m. *Contestants and advisors are recommended to arrive at the contest site no later than 7:30 a.m. to set up their equipment.*

Contestants must wear their conference name badge turned to show their contestant numbers – these numbers will be the only identification on the problem solution submitted for the contest. It is the responsibility of the contestant not to include any mention of their name or school in their problem solution; inclusion of any identifying information in the contest solution (to include name, school, or district) will result in automatic disqualification.

Contestants will submit a one-page resume' to the contest chair before beginning the contest. Resumes cannot be submitted after the competition begins. Go to www.vaskillsusa.org for resume rubric.

Contestants must wear professional attire adhering to the SkillsUSA image. Contestants may wear official SkillsUSA attire, business, or business casual attire. Wearing jeans/denim, t-shirts as outerwear, shorts, and/or athletic shoes will result in a clothing penalty.

Please refer to the most current SkillsUSA Championships Technical Standards. The following items apply specifically to the SkillsUSA Virginia Technical Drafting and Architectural Drafting competitions:

- Contestants using computer aided drafting (CAD) methods to solve the contest problem will bring their own computers and software.

  Contestants and advisors should expect minimal technical support or troubleshooting to be available on the day of the contest and should be prepared to handle issues that may arise themselves. Spare or backup equipment should be considered.

- Contestants choosing to use manual drafting instead of CAD to solve the contest problem must bring their own drawing board, drafting equipment and drafting supplies.
- If a contestant does not bring the required CAD hardware and software or manual drafting equipment, they will not be allowed to compete and will be automatically disqualified.

- Contestants using CAD methods must provide their contest solution to the contest chair, using a contestant-provided USB drive, in Adobe PDF format. **No other file formats, including CAD native formats, will be accepted**.

  Contestants should review and understand procedures, specific to their configuration, to generate and review PDF files from their CAD software prior to the contest. As software packages vary, contest officials may not be able to assist in generating PDF output files.

- All contestants using CAD techniques will be evaluated using the drawing generated in the PDF file formats. Final evaluations will be assessed based on on-screen output of the PDF file.
- Contestants may not access the internet or use/access cell phones during the contest. Any such occurrence is an immediate disqualification.
- A written test or oral assessment are not required for the contest.
- Computer stations and/or manual drafting stations may not be disassembled until after the contest period. Contestants finishing early may be asked to leave the contest area until after the contest is over, at which point they may pack up their equipment.
- Contestants may bring snack(s) or drink(s) to consume during the contest, provided they are not distracting to other contestants.
- Contestants using CAD techniques are recommended to save their work frequently during the course of the contest. While time extensions will be granted for contest-wide interruptions (e.g., power outage, fire alarm, or other similar event), time extensions will not be granted for individual equipment failures, computer errors, or failure to save files.

Equipment and materials supplied by the technical committee:

1. Tabletop space to accommodate personal computer/laptop or manual drafting equipment
2. Chair
3. 110-volt electrical power

Supplied by each contestant using CAD methods to create a problem solution:

1. Complete laptop or desktop computer station including personal computer, monitor, and input device(s) as appropriate
2. Software of choice for development and output of problem solution

   As the contest will be completed without internet/network connection, students and their advisors should check-out the license for their drafting software. Procedures vary by software package – refer to technical documentation for the software for exact procedures. ***Students and advisors should verify the computer and software operate successfully when off-network before coming to the contest****; this can be completed by checking-out the license, turning the PC off, disconnecting all wired and wireless networks, restarting the PC, and restarting the drafting software.*

3. Sketch paper
4. Sketch tools: pencil, eraser, scale

5. Writable/Re-Writable Media or flash (USB) drive to save work and present to judges
6. Multi-outlet surge protectors w/ 25' (minimum) cord
7. Published reference materials not to exceed 1 cubic foot

Supplied by each contestant using manual drafting methods to create a problem solution:

1. Manual drafting equipment (if student is using manual drafting techniques to create a contest solution) to include drawing board, T-square/drafting machine/parallel straightedge, manual drafting instruments & supplies
2. Three (3) sheets of D-size (36"x24") vellum
3. Sketch paper
4. Sketch tools: pencil, eraser, scale
5. Published reference materials not to exceed 1 cubic foot