



Cabinetmaking-Carpentry Competition 2023 State Fair

Updated 8/13/2023

DATE: Tuesday, September 26, 2023

TIME: 10:00 a.m. Registration
10:30 a.m. – 1:30 p.m. Contest
2:00 p.m. Awards at the contest area

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

COMPETITION CHAIRMEN: William Butler

SKILLSUSA COORDINATOR: Jerry Baker

SCOPE OF THE COMPETITION: Students will compete in timed stations to assess skills in various aspects of cabinetmaking and carpentry

Stations Include the Following:

- 1) Drill and install a cabinet knob centered on a drawer front.
 - a. Students will use a combination square to mark the center of the drawer front and layout the knob hole
 - b. Students will use a drill to drill the hole
 - c. Students will use a screwdriver to install the knob
- 2) Biscuit a right angle joint
 - a. Students will use a biscuit joiner to cut biscuit slots on the end and face of a board and properly assemble the joint
- 3) Apply Peel and Stick edge banding and trim flush
 - a. Students will apply peel and stick edge banding to plywood and trim flush using hand tools such as a roller, banding trimmer, and flush cut pliers
- 4) Pre-drill, countersink, drive wood screws
 - a. Students will use a drill to join two boards together using wood screws
 - b. Students will use a combination countersink bit to drill holes
 - c. Students will use a drill to drive wood screws
- 4.b) Plug and trim dowel plugs
 - a. Students will glue in a dowel plug
 - b. Students will flush trim the dowel with a manual pull saw
- 5) Pocket screw a butt joint
 - a. Students will use a drill to drill pocket holes using the Kreg pocket hole jig
 - b. Students will use a drill and clamp to drive pocket holes to secure the joint
- 6) Level a toe kick platform.
 - a. Students will use a level to set a platform level

Notes:

- Full rotation will take approximately 30 – 45 minutes
- Assemblies out of quality tolerance will have -15 second penalty
- Stations will be set-up “head-to-head” so two students can compete at once
- Students will be presented a “score card” on check-in with each station listed
 - o Students present the score card to the station coordinator
 - o Station coordinator fills in student time on score card
 - o Students present filled score card to scorer’s table
- Stations will include leader boards to list name of students with top times

DIVISIONS: There will be three divisions: Students, Advisors, Open

Student- open to all students eligible to compete in the SkillsUSA Carpentry or Cabinetmaking contests.

Advisor- open to all advisors and administrators of CTE programs

Open- open to the general public including students from other CTE programs. This division is not eligible to receive a ribbon

JUDGING CRITERIA: These contests will be judged on timed completion.

TOOLS AND MATERIALS REQUIRED BY CONTESTANTS:

Safety equipment to include safety glasses and close toed shoes.

TOOLS TO BE PROVIDED BY THE TECHNICAL COMMITTEE

SAFETY STATEMENT: All entries must present at registration, the attached Safety Statement signed by students and advisors. Safety glasses and dress appropriate to the trade and public viewing are required.

DEADLINE: Schools must register the number of teams by September 15, 2023. Contestant names must be submitted to the State SkillsUSA Specialist by September 15, 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 by directly from the State Fair Ticket Office using a State Fair Student Competition Ticket Order link, which can be found on-line at www.skillsusava.org under ‘State Fair’*

Safety Notice: Each contestant is responsible for bringing the proper PPE to wear while participation in the contest. Also, each contestant must turn in a signed SkillsUSA Safety Form (below) to the competition chairman on the day of the competition.



Safety Form for Tools and Materials State Fair SkillsUSA Virginia – Carpentry/Cabinetmaking Competition

The SkillsUSA Virginia Carpentry/Cabinetmaking Competition will involve the use of equipment and materials in completing the task within the competition. It is absolutely necessary that complete operating instructions and safety for the use of equipment and materials have been given to the contestant in their training program in the local school division as stated in the National SkillsUSA National Standards before he competes. This includes the proper safety instruction in the use of the tools listed in the scope of the contest and the use of protective equipment while using the tools and materials. Safety glasses are required.

By the affixing of my signature below, I certify that my student, who is entering the Carpentry/Cabinetmaking Competition at the State Fair, has had proper operating and safety instruction in the use of the power tools, equipment and materials.

(Signature of Instructor/Advisor)

(SkillsUSA Virginia Chapter)

By the affixing of my signature below, I certify that I have used the power tools, equipment and materials to be used in the State Fair Carpentry/Cabinetmaking Competition and that I understand the correct operating procedures and safety precautions for the use of this power tool, equipment and materials.

(Signature of Student)

(Date)

THIS FORM MUST BE SIGNED AND TURNED IN TO THE COMPETITION CHAIRMAN ON THE DAY OF THE COMPETITION. FAILURE TO TURN IN THIS FORM WILL RESULT IN THE STUDENT NOT BEING ALLOWED TO COMPETE.