



Cabinetmaking Competition

2021 State Fair

9/9/2021

DATE: Tuesday, September 28, 2021

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 CHAIRMAN: William Butler

SCOPE OF THE COMPETITION:

Part One (prior to Fair): Students, with help from their advisors will design and build a project based on the following parameters.

Students will be building a bookcase of their own original design

The project must include at least

- (2) Miter joints
- (1) Panel glue joint (two boards glued together for width)
- (2) Shelves
- (1) Routed edge profile

There should be no visible fasteners when the project is installed in normal use.

Project should be sanded and ready for finish.

Students are only permitted to use the materials on the attached materials list.

Bill of materials

- (1) 4x8x3/4 maple or birch veneer core plywood
- (2) 1x12x8 or 16 bdft, Poplar or Maple hardwood
- Glue
- Fasteners
- Shelf pins

Students are required to produce shop drawings for their bookcase. Drawings should include Plan, Elevation, Section, and any necessary detail views. Plans may be drawn with CAD or by hand using graph paper or a drafting board. Drawings should be to scale and provide enough information to build the project.

Part Two (on-site): Students will present their project to the judges. Students are expected to speak extemporaneously on their project. Talking points may include but are not limited to: design considerations, problems in the design/execution of project, highlight certain details, opportunities for improvement. Students will be assigned a presentation slot in the order they arrive to the contest.

SAFETY STATEMENT:

Due to the proximity of other contests, safety glasses are required in the contest area.

NUMBER OF CONTESTANTS:

There is no limit to the number of contestants. However, each student is expected to design and complete an original project.

TOOLS AND MATERIALS REQUIRED BY CONTESTANTS:

- Nail apron
- Claw hammer
- Measuring tape
- Combination square
- Two pencils
- 1/32", 1/16", 3/32" nail sets
- Block plane
- Utility knife
- Backsaw
- Two hand-screw clamps or two "C" clamps with a maximum opening of 8"
- One set 1/4"-1" wood chisels
- 10" or 12" mill bastard flat file
- One set of flat-blade and Phillips-head screwdrivers and/or handle with interchangeable bits
- Sanding block
- Hand scraper/cabinet scraper
- Calculator
- Three 8 1/2"x11" pieces of sandpaper (80-220 grit)
- Table Saw
- Miter saw
- Router
- Power sander
- Biscuit Joiner
- **Additional Hand and Power tools** the contestant deems necessary.

AWARDS: There will be first, second, and third place winners

Students will be judged on the following

- Shop drawings
- Project accuracy to the drawings
- Fit and finish
- Interview

ENTRY FEE: \$20.00 per student entering the competition. 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 20, 2021. Contestant names must be submitted to the by September 20, 2021. 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.*