

# SKILLS USA 2011 District 10 Competition

**Clothing Requirements:** Official Skills USA Khaki work shirt and pants, black or brown work boots and safety glasses.

**Eligibility:** Contestants must be able to build a small project from materials and drawing supplies.

## **Equipment and Materials:**

- 12" Delta table saw
- 10" Saw stop Table saw
- 12 Rockwell jointer
- 12" Ultimate saw radial arm saw
- 12" Rockwell Drill press
- 43" Powermatic wide belt sander
- Delta edge sander
- Max spindle sander
- 14" Delta band saw
- 12" Hitachi miter saw
- 10- Porter Cable D-handle routers and variety of bits
- 4- 3hp. Shapers and door knives
- 24" Northfield planer
- Grizzly belt and disk sander combo
- Assortment of pneumatic nailers and staplers.

## **Scope and Contest**

The contest will consist of work stations which will require the building of a small project from the materials and drawings supplied. All skills will be selected from the competencies or the Skills USA list.

- There will be a written blueprint reading test to serve as a tie breaker.
- This will include reading of plan, elevation, section and detail drawings.
- Students will read a set of drawings and layout and transfer patterns.
- Cut, saw, joint, shape and plane using power and hand tools.
- Mortises and dados will be cut using table saws with dado blades, or routers with straight or mortise cutting bits.
- Assembly of the project will be with glue, clamps, screws, finish nails or plugs.
- A stain and clear finish will be applied after assembly.

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