

## 2012 Provincial Skills Canada Competition

### *Scope Document*

Edmonton Expo Centre, Edmonton

May 10 & 11, 2012

<b>EVENT:</b> Cabinet Making	<b>LEVEL:</b> Secondary
<b>COMPETITION START TIMES:</b> May 10: 8:00 am May 11: 7:45 am	<b>LOCATION:</b> Hall C, Edmonton Expo Centre, Edmonton
<b>DURATION:</b> 12 hours (two days)	<b>REGIONALIZED:</b> Yes
<b>WORLDSKILLS TRADE #:</b> 24	

#### GENERAL DESCRIPTION

##### **Purpose of the Challenge:**

To test a sample of relevant theoretical knowledge, and provide an opportunity for contestants to demonstrate competence with and the mastery of hand tools, portable power tools, stationary power tools, cutting edges, interpretation of drawings and specifications, joinery techniques, and problem solving.

##### **Skills and Knowledge to be Tested:**

- Use of edge cutting tools such as planes and chisels
- Accurate measuring
- Proper gluing techniques
- Cutting of sheet stock
- Proper installation of common hardware
- Interpretation of drawings and specifications
- Solving of construction problems
- Time management
- Final surface preparation before finishing
- Safe use of table saw, table router, band saw, miter saw, drill press, all portable power tools, chisel mortiser, and basic hand tools (Chisels, planes, files, sanding blocks, etc.)

# SKILLS20

## PROJECT DESCRIPTION

A detailed description of the project and a shop drawing will be posted to the Skills Alberta website in January.

The project combines use of panel products (upper case section), cabinet hardware (hinges, latch, shelf pins), solid wood (mainly lower section but upper section as well), Solid wood joinery (mortise and tenon, dowel, hand cut dovetails) and finish sanding and surface preparation. Competitors must be competent with hand tools, stationary woodworking machinery and portable power tools. Safe working practices will be in effect at all times.

## EQUIPMENT & MATERIALS

### Equipment and Materials Competitors Must Supply:

All and any conventional hand tools commonly found in a cabinet maker's tool box including but not limited to:

- Steel Toed Work Boots
- Safety Glasses
- Hearing Protection
- Block and smoothing plane
- Masking and fiber tape
- Sharpening stone and lubricant
- Calculator
- Pencils
- Sanding block
- Metric tape measure
- #0, #1, #2 Robertson driver
- Extension chord
- Measuring tools
- Marking guage
- Sliding T-bevel
- Try Square
- Utility knife
- Hammer
- Set of bench chisels
- Sanding block
- Cabinet scraper
- Combination square
- Wooden Mallet
- 8-36" Bar Clamps/Fast Action/Small Clamps

**\*Please Note:** All safety equipment must be worn in the competition site during the competition.

### Equipment and Materials Supplied by the Committee:

- All wood and materials
- Hardware and screws
- Band Saws
- Drill Press
- Cordless Drills and Bits
- Chisel Mortisers
- Work Benches
- All adhesives
- Miter Saws
- Planer
- Vacume Bag and Venturri Pump
- Jointer
- Dust Collector
- Counter bore Bits
- Selection of Sandpaper
- Table Saws
- Table Routers and Bits
- Pencil Sharpener
- Dowels

## Clothing Requirement

All competitors are required to wear appropriate work clothes. Shorts and sandals are not permitted. No loose clothing or jewelry.

# SKILLS20

## SAFETY

The health, safety and welfare of all individuals involved with Skills Canada Alberta are of vital importance. Safety is a condition of participation with Skills Canada Alberta and shall not be sacrificed for the sake of expediency. At the discretion of the judges and technical committees, any competitor can be denied the right to participate should they not have the required proper safety equipment and/or act in an unsafe manner that can cause harm to themselves or others.

## JUDGING CRITERIA

### POINTS BREAKDOWN /255 TOTAL

- |                       |     |
|-----------------------|-----|
| • Dimensions          | 20% |
| • Detailed dimensions | 20% |
| • Joinery             | 40% |
| • Surface Preparation | 15% |
| • Theory Test         | 5%  |
| • Benchmark           | 5%  |

## TIE BREAKING PROCESS

In the event of a tie in the project scores, the written test and the bench mark will be used to establish the tie breaker.

## RELATED CAREER AND TECHNOLOGY STUDIES COURSES

Descriptions of all courses are located at the following website:

<http://www.education.gov.ab.ca/cts>

- |           |                                       |
|-----------|---------------------------------------|
| • CON1010 | Construction Tools and Materials      |
| • CON1120 | Product Management                    |
| • CON1130 | Solid Stock Construction              |
| • CON2160 | Cabinetmaking Web and Face Frame      |
| • CON2170 | Cabinetmaking Door and Drawer         |
| • CON3170 | Cabinetmaking Layout and Installation |

## ADDITIONAL INFORMATION

### Competitor Registration

Students must qualify through a Regional Skills Canada Competition (RSCC) to earn a position in the Cabinet Making competition at the Provincial Skills Canada Competition (PSCC). Registration will open online [www.skillsalberta.com](http://www.skillsalberta.com) on February 13, 2012 at 8:00 am for the RSCC. Refer to your RSCC scope for regional specific project information.



## Lunch

Lunch for accredited competitors only will be provided by Skills Canada Alberta. Teacher accreditation can be purchased online at [www.skillsalberta.com](http://www.skillsalberta.com).

## Parking & Venue Maps

<http://www.edmontonexpocentre.com/attend/parking/>

## Awards Ceremony

The Awards Ceremony will take place on Friday May 11, 2012 at 5:30pm in Hall D of the Edmonton Expo Center. Admission is free and everyone is welcome to attend. The Awards Ceremony will be shown live at [www.skillsalberta.com](http://www.skillsalberta.com).

## Team Alberta Information

Team Alberta will be selected at the Provincial Skills Canada Competition (PSCC) on May 10-11, 2012. Two days later the gold medalists from PSCC will compete at the Skills Canada National Competition (SCNC) in Edmonton, Alberta. It is recommended that competitors review the SCNC scope documents to be familiar with the national scope and project at [www.skillscanada.com](http://www.skillscanada.com).

During the PSCC Awards Ceremony on May 11 all students who earn a medal will be escorted backstage after we photograph their onstage moments of success. Gold medalists will be given their Team Alberta information package and will confirm their participation in the SCNC.

Students must be present at the Awards Ceremony to claim their position on Team Alberta. If the Gold medalist is not able to attend SCNC, the next top ranking individuals will be asked to participate. If a student is not able to attend the Awards Ceremony a letter confirming the student's interest in Team Alberta participation can be emailed to [kariz@skillscanada.com](mailto:kariz@skillscanada.com).

Please prepare your students in advance to accept a position on Team Alberta and outline how your school will support their participation.

## COMMITTEE MEMBERS

Mick McGowan	SAIT
Wayne Niddrie	Cambium Woodwork
Ed Pawliw	Bishop O'Byrne High School
Paul Roberts	NAIT
Joe George	AWMAC
Janice Manuals	NAIT
Gilles Daigo	Tofield School
Brent Cox	J.Percy Page School
Trevor Doig	Camrose Comp.High School
Kevin Berthelette	KMS Tools and Equipment
Kathy Richardson	Red Deer Public Schools
Harold Bergmann	SAIT
Ivan Mazuryk	