

Cabinet Making 2011 SCOPE DOCUMENT

Medicine Hat College
April 14, 2011



Event:	Cabinet Making	Location:	T129
Registration:	7:00-7:45 a.m.	Contest Start Time:	8:30 a.m.
Orientation:	7:45-8:30 a.m.	Contest End Time:	3:00 p.m.
Contest Duration:	6 hours	Awards Program:	4:30 p.m.
Theory Exam:	Yes		

GENERAL DESCRIPTION:

The Skills Canada Alberta regional cabinet making competition sees competitors build a provided woodworking project. Starting from provided drawings and diagrams, the project is built during the allotted construction time. The competitors are judged based on the quality of their project in the face of the judging criteria.

The competition's purpose is:

- 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, cutting edges, interpretation of drawing and specifications, joinery techniques, problem solving and time management.

RELATED CAREER AND TECHNOLOGY STUDIES:

Module descriptions are available through the following website:

Government of Alberta/ Education/ Career and Technology Studies/ Trades and Manufacturing

<http://education.alberta.ca/teachers/program/cts/program-of-studies/tmt.aspx>

CON 1010: Construction Tools and Materials

CON 1120: Product Management

CON 1130: Solid Stock Construction

CON 1160: Manufactured Materials

CON 2130: Furniture – Box Construction

CON 3130: Furniture – Leg & Rail

CLOTHING AND SAFETY REQUIREMENTS:

- Suitable work clothing
- No open toed shoes (Steel toed boots recommended)
- Rubber soled shoes
- Safety glasses and hearing protection (provided)
- Competitors are required to follow all industry safety standards during the competition

SKILLS AND KNOWLEDGE TO BE TESTED:

- The nature and properties of wood
- Proper use of stationary and portable woodworking tools and stationary hand tools
- Use of edge cutting tools such planes and chisels
- Cutting of sheet stock with a table saw
- Accurate measuring
- Proper layout and cutting of dovetails
- Proper assembly techniques using clamps and adhesives
- Joinery
- Abrasives

- Problem solving
- Final surface preparation before finishing

EQUIPMENT AND MATERIALS

Supplied by Committee:

- All materials and fasteners for the project
 - All power tools and equipment
- | | | |
|----------------|-------------|---------------|
| Bandsaw | Drill bits | Mitre saws |
| Biscuit cutter | Drill press | Planer |
| Circular saw | Driver bits | Table routers |
| Cordless drill | Jointer | Table saw |

Supplied by Competitor:

Hammer	Miscellaneous hand tools of your choice
Pencils	Wood chisels
Tape measure	

JUDGING CRITERIA:

- Demonstrate skills and competencies in interpreting plans and specifications
- Safety during project construction
- Ability to complete project in specific time period
- Proper selection and use of tools
- General work attitude
- Innovative techniques used
- Quality and accuracy

Theory Exam:

- The theory exam will be comprised of twenty multiple-choice questions based on the project drawing.

TIE-BREAKER PROCESS

If two or more participants are tied in points at the end of the competition, the following shall apply to determine the placing.

Step 1: Re-evaluate the affected projects with different judges.

Step 2: Participant with the highest **PROJECT** score..

Step 3: Participant who has completed the project in the least amount of time.

TECHNICAL JUDGES

Andy Cullen	MHC - Construction Coordinator
Rocco Votta	MHC - Manager of Trades
Jack Nelson	Private Contractor
Dale Lanz	TBC General Contracting

COMMITTEE MEMBERS:

Andy Cullen	MHC - Construction Coordinator
Jim Brouwer	MHC - Instructor
Paul Schaan	MHC - Instructor
Jack Nelson	Private Contractor
Bill Watson	Brooks Composite High School
Randy Knight	Crescent Heights High School
Barry Freeman	Medicine Hat High School
Roy Graf	McCoy High School
Cory Schiebelbein	Senator Gershaw High School
Susan Feeney	Project Manager, Southeast Regional Skills