

North West Alberta Regional Skills Canada Competition
GPRC Fairview Campus
2012 – Cabinet Making, Scope Document

EVENT: Cabinet Making	LEVEL: Secondary
START TIME: ORIENTATION: APRIL 19, 2012 – 8:00 PM COMPETITION: APRIL 20, 2012 – 8:00 AM	LOCATION: GPRC FAIRVIEW CAMPUS
ORIENTATION IS MANDATORY: Should a competitor not attend orientation they will be disqualified from the competition.	
THEORY EXAM: Yes	
DURATION: 6 Hours with Additional ½ hr lunch	REGIONALIZED EVENT: Yes
Number of Competitors That Will Qualify for the 2012 Provincial Skills Canada Competition: 2	

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, and problem solving.

Knowledge to be tested:

- Safety
- The nature and properties of wood
- Stationary and portable woodworking tools and stationary
- Hand tools
- Methods of work
- Joinery
- Adhesives
- Abrasives

Practical skills to be tested:

- Use of edge cutting tools such planes and chisels
- Proper layout and cutting of dovetails
- Accurate measuring
- Cutting of sheet stock with a table saw
- Proper assembly techniques using clamps and adhesives
- Interpretation of drawings and specifications
- Solving construction problems
- Time management
- Final surface preparation before finishing

THEORY EXAM: The theory exam will be comprised of eighteen multiple-choice questions.

TOOLS AND EQUIPMENT:

Equipment and Materials supplied by Committee:

All necessary hand tools, wood materials and machinery will be supplied by the Committee

Equipment and Materials Competitors Must Supply:

All competitors must bring a metric/imperial tape measure and a sharp pencil.

NOTE: Any personal hand tools may be brought by competitors but quality tools will be provided by the committee.

COMPETITORS MUST SUPPLY THE FOLLOWING:

- CSA Approved shoes or work boots, (steel-toed optional)
- CSA Approved Safety Glasses
- Appropriate work clothing
- CSA Hearing Protection

Please note: Competitors must have all safety equipment to be allowed into the competition area. Safety equipment must meet the minimum standards. Competitors are required to follow all industry standards during the competition.

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:

- Use of edge cutting tools such planes and chisels
- Proper layout and cutting of dovetails
- Accurate measuring
- Cutting of sheet stock with a table saw
- Proper assembly techniques using clamps and adhesives
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RELATED CAREER AND TECHNOLOGY STUDIES MODULES:

CON 1010: Construction Tools and Materials	CON 1160 Manufactured Materials
CON 1120: Product Management	CON 2130 Furniture- Box Construction
CON 1130: Solid Stock Construction	CON 3130 Furniture- Leg & Rail

Module descriptions are available through the following website:

Government of Alberta/ Education/ Career and Technology Studies/ Trades and Manufacturing
<http://www.education.alberta.gov.ab.ca/cts>

TIE-BREAKER: Competitor, judged as utilizing highest level of safety practices

CABINET MAKING PROJECT – Attached on next page.

