General Assessment Information

Test Type: The Wyoming Cabinetmaking and Woodworking Assessment was developed based on a Wyoming statewide competency task list and contains a multiple-choice component. This assessment is meant to measure technical skills at the occupational level and includes items which gauge factual and theoretical knowledge.

Revision Team: The assessment content is based on input from Wyoming educators who teach in approved career and technical education programs.
NOCTI written assessments consist of questions to measure an individual's factual theoretical knowledge.

**Administration Time:** 3 hours  
**Number of Questions:** 136  
**Number of Sessions:** This assessment may be administered in one, two, or three sessions.

### Areas Covered

- **Safety** 19%  
- **Handheld and Power Tools** 20%  
- **Fasteners and Adhesives** 9%  
- **Planning, Design, and Estimation** 21%  
- **Cutting and Shaping** 14%  
- **Finishing and Sanding** 10%  
- **Career Readiness** 7%
Specific Standards and Competencies Included in this Assessment

Safety
• Understand the use and purpose of personal protective equipment (PPE) and safety concepts related to clothing and hair
• Apply safety concepts related to the safe use of hand tools and power/pneumatic tools
• Demonstrate knowledge of proper set-up, maintenance, and inspection procedures for tools
• Demonstrate familiarity with emergency situations and procedures
• Follow safety procedures when handling materials (e.g., proper lifting and carrying, material stacking)
• Demonstrate knowledge of Safety Data Sheets (SDS)

Handheld and Power Tools
• Demonstrate set-up and inspection of stationary power tools for woodworking
• Explain use of stationary power tools for woodworking
• Demonstrate set-up and inspection of handheld woodworking tools
• Demonstrate proper use of handheld woodworking tools
• Demonstrate set-up and inspection of handheld power tools for woodworking
• Understand the purposes and proper use of handheld power tools

Fasteners and Adhesives
• Describe common types of adhesives and fasteners used in woodworking and explain their uses
• Choose appropriate fastener for the task
• Demonstrate knowledge of clamping techniques (e.g., types of clamps)
• Select and install hardware (e.g., drawer slides)
Specific Standards and Competencies (continued)

Planning, Design, and Estimation
- Identify wood types (e.g., hardwoods, softwoods, manufactured)
- Identify appropriate use of woods for specific purpose (e.g., use of hardwood/soft wood)
- Use tape measure to create an accurate measurement within tolerance (e.g., using sixteenths)
- Use basic math skills
- Read and use a blueprint to plan and create a project (e.g., use a material list and procedure list)

Cutting and Shaping
- Choose and set up tools for specific operations
- Demonstrate truing and squaring a board
- Demonstrate basic joinery (e.g., dados, rabbets, miters)

Finishing and Sanding
- Demonstrate finishing techniques
- Demonstrate appropriate sanding technique and select appropriate tools for the task (e.g., grit)
- Demonstrate safe handling, application, and clean-up of paints, stains, and wood fillers

Career Readiness
- Demonstrate awareness of woodworking and cabinetmaking careers (e.g., CNC operator)
- Demonstrate leadership and communication skills
- Exhibit workplace readiness skills
Sample Questions

When cross-cutting on a table saw, use a
A. dado blade
B. rip fence
C. miter gauge
D. riving knife

Drawer fronts are generally installed by
A. using biscuits
B. face nailing
C. screwing from the inside
D. using dowels

Which material works best to turn on a wood lathe?
A. plywood
B. softwood
C. veneers
D. hardwood

Compound miter joints are commonly used on
A. crown molding
B. cabinet face frames
C. door facings
D. drawer boxes

Compared to water-based stains, oil stains preserve wood and bring out its beauty without
A. raising the grain
B. discoloring the stock
C. splitting the grain
D. sealing the stock