

# UTAH CTE SKILL CERTIFICATE PROGRAM

## WOODWORKING

### STUDENT PERFORMANCE EVALUATION

### TEST #520

Student Name: \_\_\_\_\_

The performance evaluation is a required component of the Skill Certification process. Each student **must be evaluated** on the required performance standards. Performance standards may be completed and **evaluated anytime during the course**.

- Students should be aware of their progress throughout the course, so that they can concentrate on the objectives that need improvement.
- Students should be encouraged to repeat the objectives until they have performed at a minimum of a number 1 or 2 on the rating scale (moderately to highly competent level).
  - 1= highly competent      Successfully demonstrated without supervision
  - 2= moderately competent      Successfully demonstrated with limited supervision
  - 3= limited competence      Demonstrated with close supervision
  - 4= not competent      Demonstration requires direct instruction and supervision
- When a standard has been achieved at a minimum of 80% (moderately to highly competent level). "Y" (Y=YES) is recorded on the last line of that standard, on the performance evaluation sheet. If a student does not achieve a 1 or a 2 (moderately to highly competent level), then "N" (N=NO) is recorded on the last line of that standard.
- All performance standards **MUST** be completed and evaluated prior to the written test.
- The **teacher** will bubble in "A" on the answer sheet for item #81 for students who have achieved "Y" on **ALL** performance standards.
- The **teacher** will bubble in "B" on the answer sheet for item #81 for students who have **ONE or more "N's"** on the performance standards.
- The signed performance evaluation sheet(s) **MUST** be kept in the teachers' file for two years.
- A copy is also kept on file with the school's ATE Skill Certification testing coordinator for two years.

Students who achieve a 1 or a 2 (moderately to highly competent) on **ALL** performance standards and 80% on the written test will be issued an ATE Skill Certificate.

<b>480701-02 Students will be able to understand the design, planning, and estimation process.</b>	1	2	3	4
Read and use a blue print to create a project.				
Use a material list				
Use a procedure list.				

<b>480701-03 Students will be able to understand and demonstrate safe practices.</b>	1	2	3	4
Demonstrate the ability to work safely in a cabinet shop following general safety rules.				
Demonstrate safe use of woodworking tools and machines.				
Demonstrate how to handle and store materials according to the Material Safety Data Sheets (MSDS).				
Pass a written safety test with a score of 100 percent.				

<b>480701-04 Students will be able to understand and demonstrate the safe use of hand tools.</b>	1	2	3	4
Describe the purpose and demonstrate the proper use of the following measuring and layout tools: Measuring tape      Scratch awl      Framing square Combination square      Try square				
Describe the purpose and demonstrate the proper use of the following cutting and shaping tools: Utility knife      Back saw      Hand plane Wood chisel      Wood file/rasp      Hand saw Glue scraper      Putty knife				
Describe the purpose and demonstrate the proper use of the following striking tools: Claw hammer      Nail set      Rubber mallet      Dead-blow hammer				
Describe the purpose and demonstrate the proper use of the following drill bits: Twist      Forstner      Spade Countersink      Driver bits: Phillips, Square, slotted				

<b>480701-05 Students will be able to understand and demonstrate the safe use of portable power tools.</b>	1	2	3	4
Describe the purpose and demonstrate the proper use of the following portable power tools: Pneumatic nailer      Power drills      Router Finish sander      Belt sander      Orbital sander				

<b>480701-06 Students will be able to understand and demonstrate the safe use of power machines.</b>	1	2	3	4
Describe the purpose and demonstrate the proper use of the following sawing machines: Table saw      Power Miter Saw      Radial arm saw Band saw				
Describe the purpose and demonstrate the proper use of the following surfacing machines: Surface planer      Jointer				
Describe the purpose and demonstrate the proper use of the following sanding machines: Disc sander      Surface sander      Spindle sander				
Describe the purpose and demonstrate the proper use of the following shaping machines: Router table      Shaper				
Describe the purpose and demonstrate the proper use of the following drilling machines: Drill press				

<b>480701-07 Students will be able to understand the wood components and characteristics.</b>	1	2	3	4
Distinguish between softwoods and hardwoods. <ul style="list-style-type: none"> <li>▪ Softwoods – pine, red cedar</li> <li>▪ Hardwoods – cherry, oak, alder, walnut, maple</li> </ul>				
Distinguish between solid woods and man-made goods. <ul style="list-style-type: none"> <li>▪ Plywood</li> <li>▪ Particle board</li> <li>▪ MDF</li> </ul>				

480701-08 Students will be able to understand the basic math and measuring concepts				
1	2	3	4	
				Add two- and three-digit numbers.
				Subtract two-, three-, and four-digit numbers.
				Solve two-digit divisor numbers.
				Multiply a two-digit factor.
				Add, subtract, multiply, and divide fractions and mixed numbers.
				Convert fractions to decimals.
				Reduce fractions.
				Add, subtract, multiply, and divide decimal numbers.
				Calculate percentages and basic ratios.
				Add and subtract linear measurement in feet and inches.
				Use a ruler or measuring tape to measure within a sixteenth (1/16) of an inch.

480701-09 Students will be able to understand and demonstrate the use of fasteners, adhesives, and abrasives.				
1	2	3	4	
				Identify the various woodworking fasteners and the application of each. Nails                      Screws                      Staples
				Properly use an adhesive in the construction of a project.
				Identify the different types of clamps. Bar                      "C"                      Spring                      Handscrew

480701-10 Students will be able to understand and demonstrate the use of joinery.				
1	2	3	4	
				Identify the basic wood joints used in cabinetmaking/millwork. Butt                      miter                      rabbet                      dado
				Construct a basic woodworking project using the basic joints.

480701-11 Students will be able to understand cabinet components/hardware.				
1	2	3	4	
				Complete a project.
				Identify common cabinet/furniture hardware. Hinges – overlay, butt, and European Drawer guides (wood or metal) Knobs and pulls

480701-12 The student will be able to understand and demonstrate finishing techniques.				
1	2	3	4	
				Understand and properly apply the basic rules of sanding.
				Properly prepare a surface for finishing
				Properly apply stain and/or clear finish.

480701-20 Students will be able to understand the importance of employability and work habits.				
1	2	3	4	
				Integrity (honesty, dependability).
				Punctuality and attendance.
				Staying on task (using time effectively).
				Productive team worker (works well with others).
				Leadership.

**The instructor must retain a copy of this Student Performance Evaluation for two years after the student has left the program.**

Instructor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Student Signature: \_\_\_\_\_ Date : \_\_\_\_\_

School: \_\_\_\_\_