

Carpentry

Student: _____
 Address: _____
 City, State Zip: _____
 Telephone: _____

Spring 06 Revision



FREDERICK COUNTY PUBLIC SCHOOLS

Career & Technology Center

7922 Opossumtown Pike

Frederick, MD 21701

240-236-8500

COMPETENCY CERTIFICATION RATINGS GUIDE

- Mastered** - Independently meets the industry level standard for knowledge or performance
Assist - Requires some assistance to meet the industry level standard for knowledge or performance
Attempt - Unable to meet the industry standard standards for knowledge or performance without significant assistance
Blank - No exposure or experience to date

ABC Apprenticeship Core

Mastered	Assist	Attempt	A: Basic Safety (ABC 00101)
initials/date	date	date	
/			1. Written test
/			2. Practical Test

Mastered	Assist	Attempt	B: Basic Math (ABC 00102)
/			1. Written test
/			2. Practical Test

Mastered	Assist	Attempt	C: Introduction to Hand Tools (ABC 00103)
/			1. Written test
/			2. Practical Test

Mastered	Assist	Attempt	D: Introduction to Power Tools (ABC 00104)
/			1. Written test
/			2. Practical Test

Mastered	Assist	Attempt	E: Introduction to Blueprints (ABC 00105)
/			1. Written test
/			2. Practical Test

Mastered	Assist	Attempt	F: Basic Rigging (ABC 00106)
initials/date	date	date	
/			1. Written test
/			2. Practical Test

ABC Carpentry 1 Curriculum

Mastered	Assist	Attempt	A: Orientation to the Trade (ABC 27101-01)
/			1. Identify the stages of progress within the carpentry trade
/			2. Identify the responsibilities of a person working in the construction industry

Mastered	Assist	Attempt	B: Adhesives (ABC 27102-01)
/			1. Given a selection of building materials, identify a particular material and state its use
/			2. Identify various types of imperfections that are found in lumber
/			3. List the different types of fasteners and there uses
/			4. Describe the common types of adhesives used in construction work and explain their uses

ABC Carpentry 1 Curriculum Continued

Mastered	Assist	Attempt

- C: Hand and Power Tools (ABC 27103-01)**
1. Identify the hand tools commonly used by carpenters and describe their uses
 2. Use hand tools in a safe and appropriate manner
 3. State the general safety rules for operating all power tools
 4. State the general safety rules for properly maintaining all power tools
 5. Identify the portable power tools commonly used by carpenters and describe their uses
 6. Use portable power tools in a safe and appropriate manner
 7. Identify the stationary power tools commonly used by carpenters and describe their uses
 8. Use stationary power tools in a safe and appropriate manner

Mastered	Assist	Attempt

- D: Floor Systems (ABC 27104-01)**
1. Identify the different types of framing systems
 2. Read and understand drawings and specifications to determine requirements
 3. Lay out and construct a floor assembly
 4. Install a floor system using tongue and groove plywood
 5. Estimate the amount of materials needed to frame a floor assembly

Mastered	Assist	Attempt

- E: Wall and Ceiling Framing (ABC 27105-01)**
1. Lay out wall and partition locations on a floor using a blueprint
 2. Cut studs, trimmers, cripples, and headers to dimensions
 3. Assemble corners, partition T's, and headers
 4. Construct and erect wall sections, including sheathing
 5. Lay out and install ceiling joists

Mastered	Assist	Attempt

- F: Roof Framing (27106-01)**
1. Layout rafter locations on a top plate
 2. Lay out, cut, and erect rafters for a gable roof
 3. Apply roof sheathing
 4. Erect trusses for a gable roof

Mastered	Assist	Attempt

- G: Windows and Exterior Doors (ABC 27107-01)**
1. Install a pre-hung window
 2. Install a pre-hung exterior door
 3. Install a lockset on an entry door

Essential Skills

Mastered	Assist	Attempt

- A: paths(s) necessary for a successful carpenter**
1. Illustrate the scope of career opportunities within the carpentry field
 2. Develop and present a personal career plan
 3. Define requirements and options for a desired career path
 4. Exhibit skills considered effective in obtaining and retaining employment

Mastered	Assist	Attempt

- B: Determine safe procedures using industry and government standards**
1. Demonstrate general lab/work site safety habits
 2. Demonstrate safe use of tools and equipment

Mastered	Assist	Attempt

- C: Lay out a foundation**
1. Read and interpret plot plan
 2. Read and interpret foundation plan
 3. Define foundation layout terms

Mastered	Assist	Attempt

- D: Estimate Materials**
1. Calculate board feet, percentages, linear feet, square feet, cubic feet, blueprint dimensions
 2. Estimate carpentry material packages

Mastered	Assist	Attempt

- E: Install Exterior Cornice**
1. Identify and install rake, fascia and soffit
 2. Define cornice terms

Mastered	Assist	Attempt

- F: Demonstrate Knowledge of Concrete Installation**
1. Define concrete and reinforcement materials
 2. Define concrete handling and placing practices
 3. Define forming and flatwork practices

Mastered	Assist	Attempt

- G: Platform Floor Framing**
1. Identify and install: sill sealer, sill plate, header joist, band, floor joist, bridging, fasteners, subflooring
 2. Square up floor framing
 3. Define floor framing terms

Mastered	Assist	Attempt

- H: Construct Exterior Wall Framing**
1. Identify and install: sole plate, top plate, double top plate, studs, trimmer/jack studs, rough sill, cripple stud, header, corner assembly, partition backup and exterior sheathing
 2. Square up wall
 3. Brace and fasten wall
 4. Plumb wall
 5. Define wall framing terms

Mastered	Assist	Attempt

- I: Construct interior wall framing**
1. Identify and install: sole plate, top plate, double top plate, studs, trimmer/jack studs, cripple stud, header, corner assembly, partition backup
 2. Fasten wall
 3. Plumb wall
 4. Define wall framing terms

Mastered	Assist	Attempt

- J: Install gable style roof framing**
1. gable stud, collar tie, ceiling joist and roof sheathing
 2. Pythagorean Theorem

Mastered	Assist	Attempt

- K: Install Exterior/Interior Doors**
1. Interpret manufacturer's instructions and specifications
 2. Check rough opening
 3. Position door unit
 4. Plumb and level unit
 5. Check unit operations and gaps
 6. Complete fastening unit

Mastered	Assist	Attempt

- L: Install Windows**
1. Interpret manufacturer's instructions and specifications
 2. Check windows and rough opening sizes
 3. Position window unit into opening
 4. Level, plumb, tack and shim window
 5. Complete fastening unit
 6. Check opening operation of window

Mastered	Assist	Attempt

- M: Install and Finish drywall**
1. Identify and Install: drywall, corner bead and fasteners
 2. Explain the drywall finishing process
 3. Define drywall terms

Mastered	Assist	Attempt

- N: Construct and Install a Staircase**
1. Identify and install: stringer, treads, risers, railing, newel post and balusters
 2. Calculate: total rise, total run, unit rise, unit run, headroom and tread thickness

Mastered	Assist	Attempt

- O: Install paneling**
1. Identify and install: paneling, outside/inside corner, felt paper, and fasteners
 2. Define paneling terms

Mastered	Assist	Attempt

- P: Install Horizontal Siding**
1. Identify and Install: outside and inside corner, starter strip, siding, undersill, J-channel, F-channel, soffit, rake, fascia
 2. Define siding terms

Mastered	Assist	Attempt
/		
/		
/		

Q: Install Manufactured Roof System

1. Identify and install: gable truss, regular truss, roof sheathing, and bracing
2. Read and interpret manufacturers instructions and specifications
3. Define manufactured roof terms

Mastered	Assist	Attempt
/		
/		
/		

S: Read and Interpret Blueprints

1. Identify and read: scales, alphabet of lines, plot plans, foundation plans, floor plans, elevations, sections, details, window and door schedules, symbols, abbreviations and notes, specifications
2. Define related terminology

Mastered	Assist	Attempt
/		
/		

R: Install Trim and Hardware

1. Identify and install: base, casing, shoe molding, shelving, hardware, stool, and apron
2. Define related terminology

Mastered	Assist	Attempt
/		
/		
/		
/		

T: Computer Skills

1. Demonstrate the use of Associated Builders and Contractors apprenticeship software
2. Research product information on the internet
3. Demonstrate knowledge of Word and spreadsheet documents
4. Demonstrate knowledge of basic 3D design build software

MASTERY OF CONTENT	
	# of skills mastered
	# of total skills
#DIV/0!	MASTERY

INTERNSHIPS/WORK STUDY

Employer: _____
Address: _____
Contact/Supervisor: _____
Phone #: _____
Employment Dates: _____
Job title/description: _____

Employer: _____
Address: _____
Contact/Supervisor: _____
Phone #: _____ : _____
Employment Dates: _____
Job title/description: _____

ATTENDANCE

Dates of enrollment: _____
Attendance: _____

Ratings Scale

- 3 - Exemplary
- 2 - Good
- 1 - Fair
- 0 - Poor

EXTERNAL CERTIFICATION INFORMATION

ABC Apprenticeship Core: Pass Date: _____
ABC Carpentry I: Pass Date: _____

Related Student Achievement

Frederick Community College Construction Management Course:

Name of Course _____
Final letter Grade: _____ Credits earned: _____

Frederick Community College Construction Management Articulation

Credits earned: _____

SkillsUSA

The student has completed the professional Development Program through level _____

The student has participated in the following technical SkillsUSA assessments:

The student has participated in the following leadership/ communications assessments:

The student has participated in the following community service projects:

RELATIONS WITH OTHERS

(effectiveness in working with students, instructors, and others: cooperation: show of respect)

DEPENDABILITY

(attendance, punctuality, adherence to schedules and deadlines consistency and results, perseverance)

WORK ATTITUDES

(willingness to learn, willingness to accept and profit from evaluation, enthusiasm, initiative, commitment, pride in work)

COMMUNICATIONS

(listening, speaking, and nonverbal skills; effectiveness in communicating with students, teachers, and others)

SAFETY

(follows safety guidelines for equipment and tool operations and considers the safety ramifications of all actions in the workplace)

Additional Comments:

I certify that the ratings on this performance profile for student name are the result of personal observations and evaluations and further certify that student name has mastered X of the Y skills that were covered in the Carpentry Program.

I certify that the ratings included in this competency profile were completed by my Carpentry instructor.

Signature

Instructors Name

Date

Date

Signature

Student's Name

Date

Date